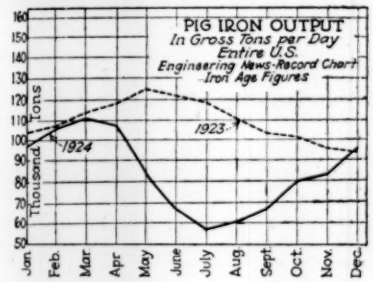
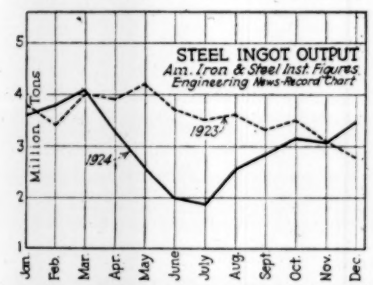
CONSTRUCTION NEWS

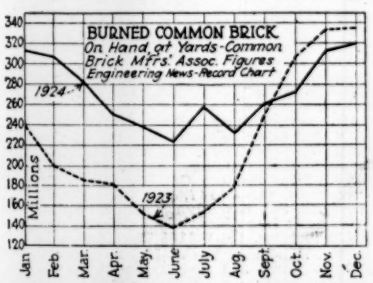
The Construction Barometer

Increase in Number of Large Projects on Which Bids Are Desired—Materials Prices Firm—With Exception of Steel, Production Has Not Yet Passed Low Point of Mid-Winter

LETTINGS for private commercial buildings are gaining steadily throughout the entire country. This applies to the number of awards and not to money value of contracts let. Consistent gains are also noted in the number of jobs on which bids are desired, for commercial building construction and all types of private and public work. Locally, the volume of street and road work is increasing in the South. The same is true of sewers, streets and roads in the section immediately west of the Mississippi. Water-works lettings are more active in the Middle West; private building awards in the eleven Northeastern states. During the next thirty days the extreme low point of mid-winter production will have been reached and passed. After that most of the basic materials will probably follow steel in the upward trend of output.




STEEL INGOT OUTPUT
Am. Iron & Steel Inst. Figures
Engineering News-Record Chart
Million Tons
1923
1924
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec



Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

Value of Large Contracts Let In The United States

Week Ended	Public Work	Private Work	Total Contracts
Jan. 1	$13,014,000	$14,086,000	$27,100,000
Jan. 8	14,802,000	22,525,000	37,327,000
Jan. 15	14,189,000	20,722,000	34,911,000
3 weeks	$42,005,000	$57,333,000	$99,338,000

Large Building Contracts—Number and Value

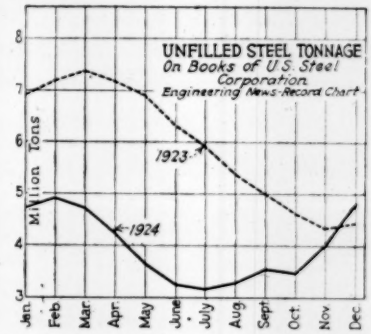
Week Ended	Commercial Public No.	Commercial Public Thousand	Commercial Private No.	Commercial Private Thousand	Industrial No.	Industrial Thousand
Jan. 1	9	$4,022	14	$12,434	11	$1,583
Jan. 8	23	5,286	31	15,385	21	5,517
Jan. 15	11	3,149	45	13,346	15	2,051
3 weeks	43	$12,457	90	$41,165	47	$9,151

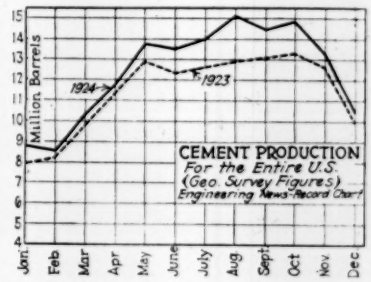
Number Of Large Jobs Now Out For Bids

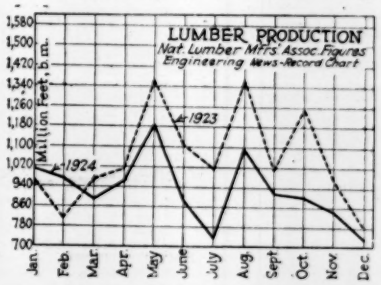
Week Ended	Private	Commercial Building	Streets and Roads	Waterworks and Sewers	All Public
Jan. 1	17	20	28	20	109
Jan. 8	27	28	34	19	125
Jan. 15	27	37	27	36	140

Cement Up In Chicago—Pine Higher in New York

	Quoted on Jan. 22 at	Last Price Change Was	On
Structurals, Pittsburgh, 100 lb.	$2.00 @2.10	$1.85 @2.10	Dec. 4
Cement, Chi., net bbl.	2.20	2.10	Jan. 15
Pine, N. Y., M. ft.	60.00	57.00	Jan. 15
Fir., San Fran., M. ft.	29.00	31.00	Oct. 30
Common labor, hr.	55¢	56¢	Dec. 25


UNFILLED STEEL TONNAGE
On Books of U.S. Steel Corporation
Engineering News-Record Chart
Million Tons
1923
1924
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec





Waterworks

PROPOSED WORK

N. J., Margate—See "Sewers."

Pa., Phila.—See "Bids Received."

N. C., Raleigh—See "Unclassified."

La., Jonesville—Election Jan. 27, $40,000 bonds for waterworks and electric light systems. F. P. Joseph, Glenmora, consult. engr.

O., Cleveland—Takes bids in spring 11,000 ft. 24 in. steel or c.i. main in Clifton Blvd. from Warren Rd. to Rocky River, $157,000; 7,980 ft. 36 in. steel or c.i. main in Ridge Rd. from Memphis Ave. to Brookpark, Sect. 4. $170,000. A. V. Ruggles, City Hall, engr.

O., Cleveland — Takes bids in summer new brick, steel and concrete centrifugal pumping station, $400,000; 12,250 ft. 48 in. raw mains from Kirtland Station to Superior Ave. and Ansel Rd., $362,500; 15,110 ft. 36 in. low service main from Division Station, West 117th St., $325,000. A. V. Ruggles, City Hall, engr.

Ill., Highland—Voted $175,000 bonds for waterworks, of which $50,000 will purchase property and $125,000 for plant, pumps, tank on tower, distribution system, etc. C. E. Wilson, Marion, engr. L. Day, 34 East Grand Ave., St. Louis, Mo., consult. engr.

Mo., Clayton—See "Streets and Roads."

Mo., Higginsville—Soon takes bids two 500 g.p.m. at 40 ft. head, 10 hp. motor driven additional pumps for waterworks.

Mo., St. Louis—Retained H. G. Study of Study & Farrar, archts., Arcade Bldg., to supervise plans for large pumping station, coagulating and filter plants, head house, store rooms, boiler and gate houses, etc., at Howards Bend, on Missouri River. $750,000.

Tex., Amarillo—Election soon $1,750,000 bonds waterworks improvements. H. B. Jones, city engr.

Tex., Comanche—Making plans waterworks improvements, incl. reservoir. $70,000 bonds voted. J. R. Eaves, mayor. Engineer not announced. J. R. Eaves, mayor. Noted Dec. 18.

Okla., McAlester—Takes bids in February, approximately 36,800 ft. 6- to 10-in. c.i. mains, building, fire truck, etc. $85,000. F. Frasier, McAlester, engr. Noted Jan. 8.

Okla., Morrison—Election Jan. 27, $27,000 bonds, complete new waterworks, incl. well, tank, pump, valves, mains and hydrants. H. G. Olmsted, 2230 West 18th St., Oklahoma City, engr. Noted Sept. 25.

Okla., Okmulgee — Making surveys and plans 15 mi. 24 in. pipe line, receiving reservoir, extensions to distribution system, etc. $1,500,000. Burns & McDonnell Eng Co., Interstate Bldg., Kansas City, Mo., engrs.

Waterworks (Continued)

Okla., Wewoka—Election Jan. 27, $150,000 bonds for supply lines and reservoir. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Ariz., Flagstaff—Making plans and takes bids in March, 18 mi. gravity flow line, 50 m.g. concrete reservoir and 5 mi. distribution system. $475,000 bonds voted. Burns & McDonnell Eng. Co., 415 Marsh-Strong Bldg., Los Angeles, consult. engrs. Noted Nov. 20.

Wash., Aberdeen — Election Mar. 24, $700,000 bonds extension to Wishkah water system, incl. dam and power house on Wynooche River, pumping plant on Larson Creek and 2 mi. pipe line.

Wash., Everett — M. Chase, superv. hydraulics, granted city permit to appropriate 50 cu.ft. water from Sultan River, to use for water supply. $800,000.

Calif., Santa Barbara—Plans to appropriate $30,000 to purchase watermains. G. D. Morrison, city engr.

Calif., Vallejo—Made plans 22 mi. probably 24 in. diam. riveted or combination steel, wood and concrete pipe line for Gordon Valley municipal water project. A. Kempkey, Hobart Bldg., San Francisco, engr. Noted Sept. 18 under "Unclassified."

Ont., St. Catharines—Takes bids in about 3 weeks, concrete and brick, filtration plant, capacity 2 m.g. per day. $150,000. A. Milne, city engr.

Ont., Toronto — Plans duplicate waterworks plant with 70 m.g. capacity per day, incl. one or two 72 in. steel intakes, 3,000 ft. long, 3 stage centrifugal pumps, steam turbines, boilers, stokers, coal handling, chlorination plant, filters, distribution mains, pumphouse, concrete, brick and steel reservoir. $14,000,000. R. C. Harris, city engr.

Ont., Waterford—Plans waterworks extension. $50,000 bonds voted. Prices wanted on materials. James, Proctor & Refern, 36 Toronto St., Toronto, engr.

BIDS DESIRED

Mass., Clinton—Feb. 24, at office Water Comrs., steel stand pipe. Parker, Bateman & Chase, civil engrs.; adv. E. N.-R. Jan. 22.

R. I., Providence—Feb. 11, at office Water Supply Bd., City Hall, steel pipe line with connections and appurtenances, about 5 mi. southwest of here. F. E. Winsor, 661 Westminster St., ch. engr.; adv. E. N.-R. Jan. 22.

New York—Feb. 3, by Bd. Water Supply, Municipal Bldg., Park Row, Centre and Chamber Sts., New York City, constructing Sect. 2 of Williamsburg conduit, a portion of city conduits of Catskill Aqueduct, in Brooklyn and Queens Boros, Contr. 218, G. J. Gillespie, pres.; adv. E. N.-R. Jan. 22.

N. Y., Brooklyn — Jan. 26, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Bedford, Narrows, 21st, L, M and O Aves., 76th and East 2nd Sts.

Pa., Phila.—Jan. 27, by Dept. Pub. Wks., Bureau Water, 1,000 tons filter gravel and 1,000 tons filter sand, Contr. 734; 7,500 lin. ft. 36 in. steel pipe, 150 lin.ft. 30- to 36-in. c.i. pipe, 25 lin.ft. 30- to 36-in. c.i. specials, three 6 in., one 30 in., five 24 in. and two 20 in. stop valves, etc., Contr. 735. G. W. Biles, dir.

N. C., Cary—Jan. 30, by W. H. Atkins, mayor and Bd. Aldermen, tower and tank, 3 mi. c.i. water pipe and 2½ mi. sewers. G. C. White & Co., Durham, engrs.

N. C., Siler City—Jan. 30, by J. S. Wrenn, mayor, and Bd. Aldermen, 200,000 gal. rein.-con. reservoir, 100,000 gal. steel tank on tower, sewage disposal plant, pump house and pumping equipment, 15,000 ft. 6, 8 and 10 in. c.i. and 18,000 6, 8, 10 and 12 in. sewer pipe. Spoon & Lewis, Amer. Bank Bldg., Greensboro, engrs. Noted Oct. 16.

N. C., West Jefferson—Feb. 18, by Town Bd. Comrs., 2,700 ft. 2 in., 13,800 ft. 6 in. and 1,400 ft. 8 in. c.i. pipe, five 2 in. twenty-five 6 in. and seven 8 in. gate valves, 1,300 lb. c.i. specials, two 150,000 gal. concrete reservoirs, etc. G. H. Bishop, consult. engr. Carolina Eng. Co., 917-919 Johnston Bldg., Charlotte, engrs.

Mich., Detroit—Jan. 28, by Dept. Purchases & Supplies, 710 Marquette Bldg., 1,500 tons 6 in. Class B, A. W. W. A. c.i. or 90,000 lin.ft. centrifugal pipe, and 1,500 tons 8 in. Class B, A. W. W. A. c.i. or 63,150 lin.ft. centrifugal pipe, and 1,000 tons 12 in. Class C, A. W. W. A. c.i. pipe, for Bd. Water Commissioners.

Wis., Kenosha—Jan. 30, by C. M. Osborn, city mgr., 496 tons Class B c.i. pipe, 34 tons fittings, 76 hydrants, 150 hub end valves, 1,898 pieces brass fittings, 900 curb boxes, 150 street boxes, 80 round bases for street boxes, etc.

Kan., Cuba—Jan. 27, by L. V. Opocensky, city clk., 20,436 ft. 2- to 8-in. c.i. pipe, 8,675 lb. castings, 32 gate valves and boxes, 21 fire hydrants, 50,000 gal. elevated tank, concrete reservoir, steel tower, pumping station, etc. C. A. Haskins, Finance Bldg., Kansas City, Mo., engr. Noted Dec. 18.

BIDS RECEIVED

Mass., Boston—Supply Dept., from Kennedy Valve Mfg. Co., Elmira, N. Y., for twenty-four 8 in. gate valves $131.28 each, and twelve 12 in. gate valves $221.13 each.

Pa., Phila. — Dept. Pub. Wks., Bureau Water, 125 tons straight 16 in. c.i. pipe and 5 tons 16 in. c.i. specials, Contr. 724, from J. J. McHugh, 1617 Race St., $21,986; 3,400 tons 6- to 12-in. c.i. pipe, and 320 tons c.i. specials, etc., Contr. 732, from P. and A. J. Ellis, 5724 North Marshall St., $427,680; rejected bids 50,000 lbs. pig lead, Contr. 733. Noted Jan. 8.

Md., Baltimore — Bd. Awards, trench excav. for Water Dept., in North and Northeast Dist., from M. L. Quinn, 5308 York Rd., $28,470; in Northwest Dist., from M. and J. B. McHugh, 4105 Bellview Ave. $76,850; in Western and Southern Dist., from P. G. Ligon, Brighton, $50,075.

D. C., Wash.—Dist. Comr., first high pipe line (a) c.i. pipe (b) concrete pipe, from McLean Contg. Co., Fidelity Bldg., Baltimore, Md., (1a) $1.48 (2a) $3 (3a) $24 (4a) $8.67; from Lock Joint Pipe Co., Ampere, N. J., (1b) $1.40 (2b) $4 (3b) $18 (4b) $5.

Wis., Milwaukee—Central Bd. Purchases, Jan. 14, from Chapman Valve Mfg. Co., 111 West Washington St., Chicago, Ill., gate valves ten 4 in. at $16.25 each, three hundred and fifty 6 in. $26, one hundred and fifty 8 in. $38.75, and twenty-five 12 in. $77, also tapping valves, fifty 2 in. $19.65 each, twenty-five 3 in. $24.55, twenty-five 4 in. $30.25, and fifty 6 in. $44.60. Noted Jan. 8.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 83,000 ft. 60 in. welded or lockbar pipe or 62 in. riveted pipe laid in place, 3,000 lin.ft. 48 in. welded or lockbar pipe or 49 in. riveted pipe laid in place, 200,000 cu. yd. earth excav., 1,500 cu.yd. concrete, miscellaneous gate, blowoff and air valves, from B. Hays, Inc., Detroit, Mich., $1,800,495. Engrs. est. $1,991,000.

Calif., Newport Beach — City Trustees, Jan. 5, 20,465 ft. 6 in. Class B, and 30,634 ft. 6 in. Class C c.i. pipe, 8- to 18-in. c.i. pipe, 64 tons c.i. special fittings, one hundred twenty-seven 5 in. fire hydrants, 145,000 gal. reservoir, pumping plant, two 199 hp. Diesel engines, 2,800 g.p.m. 3 stage centrifugal pumps, etc., from C. Fisher, Chapman Bldg., Los Angeles, $404,885.

CONTRACTS AWARDED

O., Cleveland—For steel mains in Ridge and Pearl Rds., to D. Pfahl, Berea Rd. $110,693 and $67,748 respectively. Noted Dec. 18.

Mich., Detroit—Bd. Water Comrs., 1,000 tons 6 in. c.i. and 1,000 tons 8 in. Class B and 600 tons 12 in. Class C pipe to J. E. Clow & Sons, Franklin and Harrison Sts., Chicago, Ill., $46.35 per ton, 75,596 ft. 6 in. 26,325 ft. 8 in. centrifugal pipe to U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J., $0.735 and $1.0475 per ft. respectively.

Mich., Iron River—For 1,500 gal. centrifugal pump, to Allis Chalmers Mfg. Co., West Allis, Wis., $14,380.

Kan., Belpre — Waterworks, pumping equipment, pipe lines, etc., to Burt & Tripp, Hutchinson, $32,000. Noted Jan. 8.

Kan., McDonald — Tank on tower, to Omaha Steel Wks., 4803 Leavenworth St., Omaha, Neb., $6,000; pipe line, etc., to C. Robeck Constr. Co., 408 Securities Bldg., Omaha, Neb., $12,008; well pump and meter, to E. C. Archibald, Council Bluffs, Ia., $4,923; pump house, to W. W. B. Steller, St. Francis, $3,485. Noted Dec. 25.

Tex., Brownsville—Cameron Co. Water Impvt. Dist. 4, excavating 21.6 mi. ditch, 210,000 yd. excav., to J. W. Ballenger, San Benito, $24,570 plus.

Tex., Dallas—F. G. Jester, Southwestern Life Bldg., waterworks for developing 120 acres into residential district to Janes Contg. Co., Southwestern Life Bldg., $20,000.

Wash., Seattle — Bd. Pub. Wks., c.i. mains in 22nd Ave., et al., to F. Arcorace, Seattle, $25,794. Engrs. est. $27,391. Noted Jan. 15.

Wash., Seattle—Bd. Pub. Wks., 3,900 ft. 20 in. c.i. mains in West Nickerson St., et al., to V. Ramagalia, 4515 1st St. N. E., $30,713. Engrs. est. $37,276. Noted Jan. 15.

Que., Hull—Will lay 300 ft. main in St. Lawrence St., 200 ft. in Delandaudiere St., 250 ft. in Marquette St., 600 ft. in DeBienville St., and 800 ft. in Barette St., by day labor. $15,000. T. Lanctot, city engr.

Sewers

PROPOSED WORK

N. J., Margate—Plans extending sewerage and water systems, $100,000. J. Risley, mayor. Engineer not selected.

O., Akron—Plans 2nd section of Hankins Ave. intercepting sewer, $300,000, and Sect. 5 of Mellon Run Trunk Sewer, $150,000. W. F. Peters, serv. dir.

Ill., Highland—Plans 6- to 16-in. sanitary sewers, 2 septic tanks, etc. $75,000. C. E. Wilson, Marion, engr. L. Day, 24 East Grand Ave., St. Louis, Mo., consult. engr.

Ill., Quincy—Soon takes bids sanitary sewers for Jefferson St. Sewer Dist. $30,000. W. P. Bushnell, City Hall, engr.

Wis., Milwaukee — Budget for 1925 adopted and includes $2,000,000 bonds for sewers.

Wis., White Fish Bay — Making preliminary plans storm sewer in various streets. $60,000. T. F. Buckley, Village Hall, engr.

Minn., Hutchinson—Plans sewage disposal plant, $100,000. E. L. Higgins, city engr.

Tex., Weslaco—Election Feb. 9, $25,000 bonds sanitary sewerage system, incl. complete collecting system and disposal plant. $25,000. H. E. Bennett, Mercedes, engr.

Okla., Quinton—Defeated $47,000 bonds, new sewerage system. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Dec. 18.

Calif., Brea—Voted $60,000 bonds to finance sewer improvements. Noted Dec. 25.

Calif., Santa Barbara—Plans extending sewers in various streets. $350,000. G. D. Morrison, city engr.

Calif., Santa Monica—Plans storm drainage system in East Santa Monica Dist. and territory east of 7th St. $100,000 or more. H. R. Carter, city engr.

BIDS DESIRED

N. C., Cary—See "Waterworks."

N. C., Siler City—See "Waterworks."

O., Portsmouth — Jan. 28, by Director Pub. Serv., sanitary sewers in Dist. of Sciotoville, known as Div. A, Sewerage System. C. S. Stevenson, city engr.; adv. E. N.-R. Jan. 22.

Mich., Grand Rapids—Feb. 18, by Director Pub. Serv., City Hall, constructing Logan St. Relief Sewer Project, Contr. J-2. F. H. Locke, city mgr.; adv. E. N.-R. Jan. 22.

Mo., St. Louis—Feb. 10, by Bd. Pub. Serv., 208 City Hall, Oleatha Ave. Joint Dist. Sewer, 2,310 lin.ft. 12- to 42-in. vitr. clay or cement pipe, $17,480; Glaise Creek Dist. Sewer 15, 3,425 lin.ft. 8- to 24-in. vitr. clay pipe, etc., $14,000; Rock Creek Dist. Sewer 9, 3,895 lin.ft. 8- to 24-in. vitr. clay pipe, $16,280. W. W. Horner, city engr.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall (**e. e. means engineer's estimate**), from B. Picone & Son, 18th St., sewers in Kings Highway, 74 per cent. e.e. $152,745; from A. W. Matarazzo, sewer in East 42nd St., 72.99 per cent e.e. $7,745; Ovington Ave., 67.23 per cent e.e. $4,578, 7th Ave. 74.23 per cent e.e. $350. Noted Jan. 8.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., sewers in (1) Queens Blvd., (2) Laburnum Ave., from Necaro Co., Inc., 97 Court St., Brooklyn, (1A) $147,365; from J. Gallo, 203 Division St., Brooklyn, (1B) $138,103, (2A) $199,849; from Kennedy & Smith, 93 Amity St., Flushing, (2B) $168,793. Noted Jan. 15.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., from Anita Constr. Co., 2975 Marion Ave., sewers in Wilcox Ave. $27,819, East 233rd St. $124,387; from J. V. Timoney Constr. Co., 220 East 201st St., Hobart Ave, $2,790, East 172nd St. $25,902, Cruger Ave. $5,185, Strang Ave. $1,770, Mace Ave. $19,563; from Spadaro & Turriamo Co., 3185 East Tremont Ave., Sands Pl. $3,710, Yates Ave. $36,830; from Slack & Slack Corp., Ftele Ave., $30,468. Noted Jan. 8.

Md., Baltimore—Bd. Awards, 9,000 ft. 8- to 72-in. sewers in Dist. H-6, Contr. 70, from Aiello Constr. Co., Gough and 4th Sts., $75,411. Noted Jan. 8.

CONTRACTS AWARDED

Mich., Detroit—Dept. Pub. Wks., vitr. crock sewers in Lateral 4252, to H. Ponterelli, 3536 St. Aubin St., $29,700; Lateral 4284 to J. Brogan & Sons, Detroit, $1,530; Laterals 4280 and 4291 to A. Rossi, 1337 Brady St., $1,129 and $655 respectively.

Mich., Royal Oak—For 14,225 ft. 8 in. vitr. sewer in Lateral 45, to R. D. Baker, 1631 Elmhurst Ave., Detroit, $49,425.

Sewers (Continued)

Wis., Madison—H. C. Buser, city clerk, force mains for new sewage disposal plant, to J. R. Cullinore, 618 West Dayton St., $87,000.

Okla., Oklahoma City—See "Streets and Roads."

Calif., Los Angeles—Cement sewer in Central Ave. between Florence and Manchester Sts., to F. L. Dunagan, 233 West 58th Pl., $132,000. Noted Jan. 15.

Que., Hull—Jan. 22, by T. Lanctot, city engr., 15,000 ft. main and secondary sewers in various streets. $200,064.

Waste Disposal

PROPOSED WORK

Wis., Milwaukee — Budget for 1925 adopted and includes $500,000 bonds to purchase site and construct garbage incinerator, foot of Erie St. M. C. Cutler, City Hall, engr.

BIDS RECEIVED

Minn., Minneapolis—For garbage incinerator, 210 ton daily capacity, from Goder Incinerator Co., 323 North Michigan Bldg., Chicago, Ill., $204,100. Noted Dec. 18.

Bridges

PROPOSED WORK

New York and New Jersey—States of New York and New Jersey, c/o Port Authority, 11 Bway., New York City, soon take bids 9,000 ft. bridge from Tottenville (Sta. Staten Island) N. Y. to Perth Amboy, N. J., and 7,200 ft. bridge from Howland Hook, N. Y., to Elizabeth, N. J., both 60 ft. wide, over Arthur Kill. $12,000,000. J. A. L. Waddell, 111 Bway., New York City, engr. W. H. Burr, consult. engr.

N. Y., Long Beach—Bd. Supervs. Nassau Co., Mineola, soon takes bids constructing bridge on Long Beach Rd. over Barnum Island Creek, here. $140,000.

Pennsylvania—Comrs. Centre Co. (Bellefonte), 120 ft. concrete and steel bridge, 30 ft., on Bald Eagle trail between Milesburg and Tyrone, also plans 3 smaller bridges on same road. $75,000. J. S. Spearley, pres.

Pa., Pittsburgh — Alleghany Co., c/o Dept. Pub. Wks., City County Bldg., making preliminary plans Liberty Bridge, 2,600 ft. long, 38 ft. roadway, over Monongahela River. $3,771,000. V. R. Covell, 514 Smithfield St., ch. engr. Div. Bridges.

N. C., Raleigh—See "Unclassified."

Fla., West Palm Beach—Palm Beach Co. plans election $40,000 bonds for bridge over Lake Worth in Special Road and Bridge Dist., Kelsey City, at Shermans Point. F. C. Feno, co. clk.

Wisconsin—See "Streets and Roads."

Wis., Monroe—Green Co. appropriated $48,000 for bridge work. C. J. Smith, comr.

Wis., Prairie Du Chien — See "Streets and Roads."

Minnesota — State Hy. Dept., St. Paul, plans concrete bridge over Mississippi River, on Trunk Highway 3, between Anoka and Champlin, $250,000. Eng. Dept. of State Hy. Dept., 1246 University Ave., St. Paul, engrs.

Mo., Clayton—See "Streets and Roads."

Tex., Brownsville — See "Streets and Roads."

Tex., Sanderson — See "Streets and Roads."

Tex., Waxahachie—Made plans viaduct over tracks of Missouri Kansas & Texas R.R. and Texas & Brazos Valley R.R., on Elm St. $123,000. Engineer not announced.

Okla., Baron—Adair Co. voted $55,000 bonds 4 span 180 ft. steel bridge. J. M. Page, Capitol Bldg., Oklahoma City, state highway engr. Noted Jan. 8.

Calif., Santa Monica—Plans 80 ft. concrete bridge, 41 ft., etc., over Pacific Electric Ry. tracks in Santa Monica Canyon. H. B. Carter, city engr.

Que., Montmorency — Dept. Provincial Highways, Quebec, soon takes bids 1 span 300 ft. steel and concrete bridge over Montmorency River. $300,000. I. E. Vallee, Quebec, ch. engr.

BIDS DESIRED

N. J., Hackensack—Feb. 9, by State Hy. Dept., Trenton, repairing and reconstructing center timber fender, 200 ft. long, 40 ft. wide, and north end of east timber fender, 92 ft. long, 10 ft. wide, incl. removing existing masonry, pier, etc., of bridge over Hackensack River, on Lincoln Highway, State Route 1, Hudson Co. W. G. Sloan, Trenton, state engr.; adv. E. N.-R. Jan. 22. Noted Dec. 4.

North Carolina—Jan. 27, by State Hy. Comn., Raleigh, rein-con. bridges and culverts on State Project 284, Wayne Co., $38,000; and on State Project 642, Iredell Co., $52,000. C. M. Upham, Raleigh, engr.

Miss., Summer—Feb. 2, by Bd. Supervs. Tallahatchie Co., two 60 ft. steel span bridge. H. L. French, Summer, engr.

Louisiana—See "Streets and Roads."

Missouri—Jan. 31, by State Hy. Comn., Jefferson City, 24 rein.-con. slab spans, etc., over overflow Medicine Creek, one 80 ft. steel truss span and four 20 ft. I-beam spans, etc., over Medicine Creek, one 80 ft. steel truss span and four 30 ft. I-beams, etc., over Medicine Creek D. D., all Livingston Co.; three 18 ft. rein.-con. slab spans, etc., over Culp Branch, and three 35 ft. rein.-con. deck girder spans, etc., over Piney Creek, both Oregon Co.; four 24 ft. and three 20 ft. rein.-con. slab spans, etc., over stream, Shannon Co.; one 80 ft. steel truss span, etc., over Sugar Creek, Lewis Co. B. H. Piepmeier, ch. engr.

Missouri—Jan. 31, by State Hy. Dept., Jefferson City, two 10 ft. rein.-con. slab spans, etc. over stream, one 20 ft. rein.-con. arch span, 20 ft. roadway, etc. over Ervin Creek, and one 80 ft. rein.-con. arch span, 20 ft. roadway, over Barren Creek, all on Bolivar-Stockton Rd., Route 13, Sect. 52, Polk Co.; one 130 ft. steel truss span, 20 ft. roadway, etc., over Bear Creek, on Bolivar-Stockton Rd., Route 66, Cedar Co. B. H. Piepmeier, ch. engr.

Kan., Wichita—Jan. 26, by City Clerk, for 5 span rein.-con. deck girder bridge, 40 ft. roadway, two 12 ft. walks, solid piers, gravity abutments, over Little River on Murdock Ave., $90,000. P. L. Brockway, City Hall, engr. Noted Nov. 20.

Tex., Baird—See "Streets and Roads."

Tex., Brownsville — See "Streets and Roads."

Tex., Jacksboro—See "Streets and Roads."

California—Feb. 9, by State Hy. Comn., Sacramento, grading 16.3 mi. road between Arroyo Sequit and Las Flores Canyon, Los Angeles Co. R. M. Morton, state highway engr.

From Seattle

"Building permits in first eleven months of 1924 totaled $28,000,000. Authorities state that 1925 will exceed this figure."

Construction News Correspondent

BIDS RECEIVED

N. Y., New York—W. W. Mills, comr. Plants & Structures, Municipal Bldg., Jan. 20, constructing Roosevelt Ave. Bridge over Flushing River, from A. MacMullen Co., Howard Beach, $2,625,000. Noted Jan. 1.

Tex., Sanderson — See "Streets and Roads."

CONTRACTS AWARDED

Pennsylvania — Allegheny Co. (Pittsburgh), bridge over Charters Creek, between Pittsburgh and McKees Rocks, to W. S. Rae, Oliver Bldg., Pittsburgh, $114,621. Engrs. est. $125,000.

Alabama—State Hy. Comn., Montgomery, several small concrete bridges on Birmingham-Montgomery Rd., Chilton Co., to C. B. Cox, Clanton, $52,440. Engrs. est. $53,000. Noted Dec. 18.

Ia., Davenport—Scott Co. Primary Bridge Project 293, 1 arch span, to Federal Bridge Co., 1002 B. T. Bldg., Des Moines, $6,761; 1 arch span and 8 culverts, to W. D. Phelan & Co., Davenport, $13,412; 1 girder and 1 I-beam span, to H. Gertz, Eldridge, $8,695.

Kan., Lyndon—See "Streets and Roads."

Texas—See "Streets and Roads."

Wash., Seattle — King Co., bridge over Stuck River, to J. H. Collins & Co., Spokane, $55,609.

Ore., Portland — Multnomah Co., Sellwood Bridge and approaches over Willamette River, to Gilpin Constr. Co., Worcester Bldg., $445,570. Noted Dec. 11.

Calif., Los Angeles—Bd. Pub. Wks., eight 34 ft. rein.-con. span bridge over Pacific Electric Ry. tracks at State St., to Kinne & Waterhouse, H. W. Hellman Bldg., $46,539. Noted Jan. 15.

B. C., Marpole—Provincial Government, Victoria, constructing one 134 ft. and one 154 ft. swing span bridges over north arm of Fraser River, here, to Hamilton Bridge Co., Hamilton, $42,875. Engrs. est. $45,000.

Dams

PROPOSED WORK

Conn., Rainbow—See "Buildings—Industrial."

N. C., North Wilkesboro—See "Unclassified."

N. C., Saluda—See "Unclassified."

Tex., Sherman—T. G. Blocker & R. M. Carter (owners), and O. J. S. Ellington, engr., Sherman, soon take bids 660 ft. earth dam to make 22 acre lake, beach, club house and golf links. $50,000.

Wash., Aberdeen—See "Waterworks."

Railways

PROPOSED WORK

Texas—Missouri, Kansas & Texas R.R., St. Louis, Mo., making plans enlarging yards and roundhouse, etc., at Katy Yards in Fort Worth, Tex. $1,000,000. F. Ringer, c/o owner, ch. engr. K. H. Hanger, Dallas, engr. M. W. This corrects report in Jan. 8 issue.

Ontario — Canadian Natl. R.R., New Union Sta., Toronto, making surveys 40 mi. road from northern Treouscon line to Rouyn gold fields, of Quebec. $2,000,000. T. T. Irving, ch. engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Miss., Charleston—Patterson Bayou D. D., c/o M. E. Miller, Charleston, takes bids about Feb. 5, 540,000 cu.yd. levee work and 80,000 cu.yd. drainage canals for protection of 25,000 acres. $167,000. H. L. French, Summer, engr. A. L. Dabney, 2245 Court St., Memphis, Tenn., consult. engr. Noted Nov. 6.

Miss., Charleston—Tillatoba D. D., R. Denman, atty., Charleston, takes bids about Feb. 15, system drainage canals, laterals, levees, etc., for protection of 10,000 acres. H. L. French, Summer, engr., A. L. Dabney, 2245 Court St., Memphis, Tenn., consult. engr. Noted Jan. 15.

Tex., Edinburg — Hidalgo Co. making plans and takes bids probably in March flood control along Sardinas Resaca. $1,000,000. Devine & Pharr, c/o Courthouse, engrs.

Tex., McAllen—I. G. Cook, pres. Water Impvt. Dist. 3, Hidalgo Co., and E. M. Card, engr., c/o owner, soon take bids main and lateral open ditches, also some tile drains for water improvements. $50,000.

Calif., San Mateo—Peralta Cement Co., 110 Sutter St., San Francisco, plans 4,000,000 cu.yd. dredging, to depth 17 ft. below mean low water, 3 mi. northeast of here.

BIDS DESIRED

Calif., Martinez — Feb. 2, by Supervs. Contra Costa Co., improving 2 mi. O'Hara Ave. near Oakley, 7,600 cu.yd. embankment, 12,000 cu.yd. overhaul. R. R. Arnold, Martinez, co. surv.

Calif., San Diego—Feb. 4, by W. H. Cameron, city purch. agt., 850,000 cu.yd. dredging from bottom of bay and filling back of bulkhead and constructing 3470 lin. ft. concrete bulkhead.

CONTRACTS AWARDED

Mo., New Madrid—New Madrid Dist. 35, approximately 52,959 cu.yd. excav., to F. M. Robbins, New Madrid. Noted Dec. 18.

Calif., Los Angeles—Supervs. Los Angeles Co., to J. Phillips, 637 Santa Ray Ave., drainage system in Drainage Impvt. Dist. 9, 41,865 cu.yd. excav. at $0.40 per cu.yd., 6,750 ft. 8 in. drain tile $1.05, 840 ft. 12 in. drain tile $1.15, 80 ft. 24 in. rein.-con. pipe $3.50, etc. Noted Jan. 15.

Calif., Martinez—See "Unclassified."

Streets and Roads

PROPOSED WORK

Mass., Borton—City Planning Bd., City Hall, plans widening Exchange St. $1,500,000. F. H. Fay, chn.

Mass., Medford—Willard-Welsh Realty Co., 209 Washington St., Boston, making plans and laying out 3,000 ft. new boulevard, also constructing side streets, sidewalks and curbings, etc. $100,000. A. C. Peters, 19 Pearl St., Boston, engr.

Mass., Wakefield—Bd. Alderman, A. L. Gardner, chn., plans rebuilding Salem St., macadam, $25,000.

Streets and Roads (Continued)

N. C., Ahoskie—Sold $65,000 bonds for paving various streets. L. C. Williams, Ahoskie, mayor.

N. C., Raleigh—See "Unclassified."

Fla., Davenport — Plans paving with sheet asphalt, alternate proposals, Chipalo Ave. $25,000, Suwanee Ave. $25,000, Escambia Ave. $32,067, Maple Ave. $25,000, Cypress Ave. $25,000, Miami Ave. $50,000, Magnolia and portion of Pine St. $30,000, Orange and Bay Sts. $30,000, Bay and Lemon Sts. $35,000, Palmetto Ave. $25,000, Allapoha Ave. $25,000, North Blvd. and Pine St. $30,000, Holly Hill Dr. $25,000, portion of Dixie Highway $25,000, improving Miami, Kissimmee, Chipola, Suwanee, Escambia, Allapoha and Manatee Aves., also Dixie Highway, $28,599; sidewalks on Lemon, Palmetto, Pine, Magnolia, Palm, Orange, Bay, Maple and Cypress Sts., South, North and East Blvds., $55,000. E. V. Camp and associates, Hill Bldg., Jacksonville, engrs.

Fla., West Palm Beach—Palm Beach Co. plans election $100,000 bonds paving, shell or rock and oiled surfacing roads in Special Road and Bridge Dist., Kelsey City-Roads. $100,000. F. C. Feno, co. clk.

Miss., Jackson—Hinds Co. election Jan. 29, $2,000,000 bonds for road work.

La., Baton Rouge — Election Feb. 12, $200,000 bonds, hard-surfacing drive through new City Park.

Tenn., Nashville — Plans surfacing, mostly asphalt on macadam, Fatherland St., 3rd Ave. S., 18th Ave. S., 13th Ave. N., Wedgewood and Harding Aves., 17th Ave. N., from Church St. to Harding Ave., and 17th Ave. N. from Harding Ave. to Jefferson St. W. W. Southgate, City Hall, engr.

Tenn., Nashville—Plans election $500,000 bonds for street and sewer improvements in suburbs soon annexed to city. W. W. Southgate, City Hall, engr.

O., Canton—Stark Co. plans improving 4 mi. Paris-Harrisburg Rd. N., 16 ft., $100,000. A. M. Wise, co. engr.

O., Canton—Stark Co. plans concrete paving 1.25 mi. Salem-Deerfield Rd., 18 ft. $50,000. A. M. Wise, co. engr.

O., Cleveland—Cuyahoga Co., plans repairing brick pavement on 7 mi. West Lake Rd., $90,000; brick paving 2.5 mi. Bliss Rd., $299,000; concrete paving 2 mi. Akins Rd., $83,200, and 1 mi. Bishop Rd. $58,700. F. Lander, Court House, engr.

O., Cleveland—Cuyahoga Co. plans brick paving 1 mi. Chardon Rd. $142,500, and 1½ mi. East 185th St. $266,000; macadam paving 2 mi. Edgerton Rd., $90,000; paving 4 mi. Cedar Rd., 20 ft., $322,200. F. Lander, Court House, engr.

O., Cuyahoga Falls—Takes bids in spring improving 18th St. $25,000, and ¾ mi. Highbridge Rd. $30,000, both 30 ft. G. Ranmey, Cuyahoga Falls, engr.

O., Lisbon—Columbiana Co., takes bids in spring brick paving 1.25 mi. Lisbon-Elkton Rd. $25,000; improving 4.25 mi. Wellsville-Salineville Rd. $120,000, 2 mi. North Georgetown-Salem Rd. $27,500, 2 mi. East Liverpool-Youngstown Rd., known as I. C. H. 502 $60,000, and Rogers-Clarkson Highway $45,000. L. C. Kirk, Lisbon, engr.

O., Zanesville — Muskingum Co. plans improving 2 mi. Marysville Pike, 16 ft., $50,000-$60,000, and 6 mi. South River Rd., $150,000. B. Connar, Zanesville, engr.

Ill., Bridgeport—Making preliminary plans grading, curbing and concrete surfacing various streets. $80,000. E. F. Mail, Robinson, engr.

Ill., Oblong—Making preliminary plans grading, curbing and concrete surfacing various streets. $80,000. E. F. Mail, Robinson, engr.

Ill., West Chicago—See "Bids Desired."

Wisconsin—State Hy. Comn., Madison, **(F. A. P. means Federal Aid Project)**, improving Plymouth-Chilton Rd., F. A. P. 346-A, Calumet Co., Stanley-Thorp Rd., F. A. P. 1010, Chippewa Co., and Shawano-Bonduel Rd., F. A. P. 345-A, Shawano Co.; crushed stone surfacing 9.4 mi. Boscobel-Fennimore-Lancaster-Dubuque Rd., F. A. P. 376-A, Grant Co.; shale and gravel surfacing 2.6 mi. Middleton-Black Earth-Spring Green Rd., F. A. P. 410-A, Iowa Co. and New Lisbon-Sparta Rd., F. A. P. 325-B, Monroe Co.; concrete surfacing 1.2 mi. Winona Dump Rd., F. A. P. 340-A, Buffalo Co., 1.23 mi. Menomonie-Elk Mound-Eau Claire Rd., F. A. P. 381-B, Chippewa Co., 0.93 mi. Thorp-Stanley Rd., F. A. P. 301, and 2.35 mi. Stanley-Owen-Abbotsford Rd., F. A. P. 403-A, both Clark Co., Menomonie-Elk Mound-Eau Claire Rd., F. A. P. 381-A, Dunn Co., 6.27 mi. Menomonie-Elk Mound-Eau Claire Rd., F. A. P. 381-C, Eau Claire Co., 3 mi. Fond du Lac-Oshkosh Rd., F. A. P. 364-A, Fond du Lac Co., 2.75 mi. Shullsburg-Monroe Rd., F. A. P. 374-B, Green Co., Marshfield-Ashland Rd. F. A. P. 224-S, Marathon Co., Atwater Rd. and bridge, F. A. P. 349-B, Milwaukee Co., Point of Rocks and Sumpter Hill, F. A. P. 355 and 356, Sauk Co., Milwaukee-Richfield-Fond du Lac Rd., F. A. P. 389-A, Washington Co., and Milwaukee-West Bend Rd., F. A. P. 352-A, Waukesha Co.; gravel surfacing 7 mi. St. Croix Falls-Frederic Rd., F. A. P. 407-A, Burnett Co., Black River Falls-Alma Center Rd., F. A. P. 1012, and 15.6 mi. Black River Falls-Humbird-Augusta-Eau Claire Rd., F. A. P. 395-A, both Jackson Co., 7 mi. Antigo-Eagle River Rd., F. A. P. 380-A, Oneida Co., 1.93 mi. Durand-Ellsworth (Lowrie Hill) Rd., F. A. P. 401-A, and 6 mi. Prentice-Ladysmith Rd., F. A. P. 371-A, both Pierce Co., 1.5 mi. Hudson-River Falls-Ellsworth Rd., F. A. P. 399-A, St. Croix Co., Ashland-Hayward-Trego Rd., F. A. P. 406-A, Sawyer Co., 1 mi. Shawano-Antigo Rd., F. A. P. 386-A, Shawano Co., 2.25 mi. Ashland-Hayward-Trego Rd., F. A. P. 406-B, Bayfield Co., 3 mi. Spring Green-Wauzeka-Prairie du Chien Rd., F. A. P. 416-A, Crawford Co., and project on S. T. H. 33, Columbia Co. Total allotment $2,077,100. J. T. Donaghey, highway engr.

Wis., Janesville — Making plans paving 5.5 mi. Pease Court, Prospect, 5th, Garfield and St. Lawrence Aves., Madison, North Terrace, Racine, Galena, South High, Walker, Glen, North 1st, Caroline, Augusta, East, South Wisconsin, South 2nd, South 3rd, Racine, Logan, Wheeler and South Jackson Sts. C. V. Kerch, City Hall, engr.

Wis., La Crosse — Bd. Pub. Wks., W. Fries, secy., soon takes bids paving 30,000 sq.yd. Monitor, Redfield, 15th and 16th Sts., rein.-con., brick, vibrolithic, asphaltic, concrete or asphaltic macadam. C. C. Congdon, City Hall, engr.

Wis., Monroe—Green Co. appropriated $214,999 for county and state road work. C. J. Smith, comr.

Wis., Prairie Du Chien—Crawford Co. appropriated $69,377 for county and state road work, and $16,033 for county and state aid bridge construction. J. N. Campbell, Bell Center, comr.

Wis., Racine—Plans one course concrete paving West and Harriet Sts., Clayton and Roe Aves., Frank Ave. between end of present pavement to Jefferson St. and Frank Ave. between West 6th and terminal. To exceed $25,000. J. W. Beaugrand, City Hall, engr.

Minn., Austin—Mower Co. takes bids in February, gravel surfacing 54 mi. various roads. $84,000. A. C. White, Austin, co. engr.

Kan., Oswego—See "Contracts Awarded."

Missouri — State Hy. Dept., Jefferson City, rejected bids Dec. 19, grading and asphaltic concrete surfacing 8.113 mi. St. Joseph-Grayson Rd., Clinton Co.; 18 ft. asphaltic concrete surfacing 0.423 mi. road from Trenton east and west, Grundy Co.; 18 ft. penetration macadam surfacing 5.69 mi. St. Joseph-Grayson Rd., Clinton Co., 2.423 mi. road from Trenton east and west, Grundy Co.; 18 ft. rock asphalt surfacing 1.715 mi. St. Joseph-Grayson Rd., Clinton Co., and 2.423 mi. road from Trenton east and west, Grundy Co. B. H. Piepmeier, ch. engr. Noted Jan. 8.

Mo., Clayton—E. Davis Realty & Mortgage Co., 1101 Locust St., St. Louis, making preliminary plans constructing streets, alleys, etc., also install water, sewer and gas mains in 120 acre tract on Clayton North and South Rds., etc. $400,000.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids concrete paving and granite curbing 4,135 sq.yd. Nagel St., $23,800, 3,910 sq.yd. Spring St., $18,200; bitulithic paving and granite curbing 3,105 sq. yd. San Francisco St., $20,800; asphalt paving and granite curbing 9,365 sq.yd. Eichelberger St., $64,000. W. W. Horner, city engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, takes bids in March, bitulithic paving 10,450 sq.yd. De Tonty St., $50,900, and 4,200 sq.yd. Lake St., $19,000; asphaltic concrete paving and concrete curbing 615 sq.yd. Pennsylvania St., $5,800, and 1,515 sq.yd. Frederick St., $8,100; asphaltic concrete paving and granite curbing 2,940 sq. yd. Robert St., $21,700; brick paving, granite curbing 2,040 sq.yd. West Park St., $11,600; Willite paving and granite curbing 2,910 sq.yd. Euclid St., $23,500; asphaltic concrete paving and granite curbing 2,030 sq.yd. Concord St., $13,100. W. W. Horner, city engr.

Tex., Alice—Jim Wells Co. plans hard surfacing State Highway 12. State Hy. Dept. granted application for $800,000 allotment. Address L. W. Mantel, Alice, Co. engr.

Tex., Anson—Jones Co. making plans grading and permanent paving 15 mi. Stanford-Albany Rd., 18 ft. $353,500. J. W. Puckett, Stamford, co. engr.

Tex., Brownsville—Cameron Co. making plans grading and concrete surfacing 3 mi. State Highway 12, 16 ft. $50,000. W. O. Washington, Brownsville, co. engr.

Tex., Brownsville—Cameron Co. making plans grading, concrete surfacing and bridging lateral roads leading into Highway 12. $50,000. W. O. Washington, Brownsville, engr.

Tex., Cameron—Milam Co. making plans gravel surfacing 7.2 mi. State Highway 95, Federal Aid Project 359, 18 ft. $50,000. A. F. Mitchell, Cameron, engr.

Tex., Corsicana—Navarro Co. plans election $6,000,000 bonds, hard surfacing roads radiating from here. B. W. George, Corsicana, co. judge. Engineer not selected.

Tex., Houston—H. L. Washburn, and Travis Co., soon takes bids 20 ft. concrete road on Federal Aid Project 466-A and D, $250,000. Howe & Wise, 1st Natl. Bank Bldg., engrs.

Tex., Post City—R. N. Smith, city secy., takes bids about March 1, paving various streets. $50,000 bonds voted. Elrod Eng. Co., 3124 Main St., Dallas, engrs. Noted Jan. 1.

Tex., Sanderson — Terrell Co. making plans grading and bridging 7.77 mi. State Highway 3, extending west from Valverde Co. line. $78,500. J. Stovall, Sanderson, engr.

Okla., Kingfisher—Kingfisher Co. election Feb. 24, $650,000 bonds for roads. Noted Dec. 11.

Okla., Pauls Valley—Garvin Co. voted $720,000 bonds, for 100 mi. roads, 30 ft. J. M. Page, Capitol Bldg., Oklahoma City, engr. Noted Dec. 25.

Okla., Oklahoma City—M. Peshek, city clk., takes bids about Feb. 3, grading, paving, curbing, etc., Ave. E from Robinson St. to Shields Blvd. B. M. Hart, City Hall, engr.

Okla., Wilburton—Plans grading and concrete surfacing 10,300 sq.yd. Main St. $35,300. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Los Angeles — Los Angeles Co. plans repairing streets in San Fernando Valley Section. $1,000,000 available. H. A. Van Norman, city engr.

Calif., Mountain View—Made plans improving various streets, 495,800 sq.ft. 1.5 in. Warrenite-bituminous on 2.5 in. asphaltic concrete, 15,351 cu.yd. grading, etc. C. C. Kennedy, Call Bldg., San Francisco, engr. Noted Oct. 23.

Calif., Oroville—Plans paving streets in Park Addition. To exceed $25,000. S. J. Norris, city engr.

Calif., Pasadena—Plans election $850,000 bonds improving streets in Linda Vista Dist.

Calif., Stockton—San Joaquin Co. plans constructing and repairing 52 mi. roads in Dists. 1, 2 and 3. $325,000. F. E. Quall, Stockton, co. surv.

Ont., Sandwich — Essex Co. plans concrete paving 100,000 sq.yd. Talbot Rd. $250,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Toronto—York Twp., 40 Jarvis St., plans extending Dunraven Dr., Aileen and Kersdale Aves., $3,000; grading Morningside Ave. $2,600; widening and grading Scarlett Rd. $17,000; concrete sidewalks on St. Johns Rd. $2,525. F. B. Goldike, 40 Jarvis St., engr.

BIDS DESIRED

N. Y., Brooklyn — Jan. 28, by J. A. Guider, boro pres., Boro Hall, asphalt repaving Gold St., New York and Ridgewood Aves.

N. Y., New York—Jan. 29, by J. Miller, pres. Manhattan Boro., widening and wood block repaving Columbus Circle, 1st Ave. and Wooster St.

N. Y., Peekskill—Feb. 2, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading and improving State Parkway, here. J. Downer, ch. engr.; adv. E. N.-R. Jan. 22.

N. J., Trenton—Jan. 27, by Bd. Freeholders Mercer Co., 50,000 gal. tar cold patch road material. H. F. Harris, Court House, engr.

Pennsylvania—Feb. 6 and 7, by State Dept. Hys., Harrisburg, bituminous on concrete or rein.-con. surfacing 132 mi., 22 Projects in 18 counties. W. H. Connell, engineering executive and deputy secy. of highways; adv. E. N.-R. Jan. 22.

North Carolina—Jan. 27, by State Hy. Comn., Raleigh, grading and concrete or asphalt paving 11.14 mi. State Project 642, Iredell Co., $397,000; also 13.8 mi. State Project 284, Wayne Co., $447,000. C. M. Upham, Raleigh, Engr.

Miss., Philadelphia — Feb. 3 (extended date), by Bd. Supervs. Neshoba Co. at office Chancery Clerk, grading, bridging, sand-clay surfacing, etc., 6.2 mi. Philadelphia-DeKalb Rd. H. C. Dietzer, Jackson, engr. Noted Dec. 18.

Louisiana—Feb. 10, at office State Hy. Dept., Reymond Bldg., Baton Rouge, furnishing gravel and surfacing 4.73 mi. State Project 436 A, Monroe-Jonesboro Highway, Ouachita Parish. W. B. Roberts, state engr.

Streets and Roads (Continued)

Louisiana—Feb. 12, at office State Hy. Dept., Reymond Bldg., Baton Rouge, furnishing gravel and surfacing 2.92 mi. State Project 431, Robelin-Many Highway, 2.52 mi. Sect. A1, and 3.79 mi. Sect. D, Natchitoches-Leesville Highway, State Project 315, 7.2 mi. State Project 425 A, Campti-Goldonna Highway; and constructing Black Lake Bridge, 409 ft. long, on State Project 425 B, all in Natchitoches Parish. W. B. Roberts, state engr.

Ind., Peru — Feb. 24, by City Council, paving approximately 33,910 sq.yd., North Miami, Bayless, West 7th, Miami, Canal, East 2nd and Wabash Sts. P. Shadlinger, city civil engr.

Michigan—Jan. 22, by State Hy. Dept., at office Comrs. Monroe Co., Monroe, grading 26,624 cu.yd. Federal Aid Project 73, Sect. G. G. C. Dillman, Lansing, ch. engr.

Ill., Quincy—Feb. 10 (extended date), by Bd. Local Impvts., 84,345 sq.yd. asphalt and concrete paving. W. P. Bushnell, city engr.; adv. E. N.-R. Jan. 22. Noted Jan. 8.

Ill., St. Charles—Jan. 27, by City Clerk in Council Chambers, City Hall, grading, concrete surfacing, etc., 23,000 sq.yd. Anderson Blvd., 3rd St. Project. Wells Eng. Co., Geneva, engrs.

Ill., Urbana—Feb. 4, by Township Hy. Comrs. Champaign Co., 2½ m.g. road oil. Separate bids for oil and spreading of same. Former bids rejected. Noted Jan. 8.

Ill., West Chicago — Jan. 28, by City Clerk, grading and vibrolithic concrete surfacing, etc., 35,000 sq.yd. various streets, also made plans vibrolithic surfacing 30,000 sq.yd. various streets on which bids will be taken later. Wells Eng. Co., Geneva, engrs.

N. D., Ellendale—Feb. 6, by C. C. Misfeldt, aud. Dickey Co., and State Hy. Dept., Bismarck, improving 12 mi. Federal Aid Project 211, Sect. B, 71,346 cu.yd. earth and 1,640 cu.yd. rock excav., 8,893 cu.yd. overhaul, 2,716 lin.ft. 18 in. and 340 ft. 24 in. corrugated metal or concrete pipe culverts; subgrade 4.6 mi., etc., $25,000; also 15.5 mi. Federal Aid Project 261, 113,765 cu.yd. earth and 2,000 cu.yd. rock excav., 10,443 cu.yd. overhaul, 3,354 lin.ft. 18- to 36-in. corrugated metal or concrete pipe culverts, etc., $31,000.

Missouri—Jan. 31, by State Hy. Comn., Jefferson City, grading 4.898 mi. Warrensburg-Higginsville Rd., Johnson Co., 2.936 mi. road from Savannah west, Andrew Co., 3.454 mi. St. Joseph-Chillicothe Rd., Livingston Co., 1.454 mi. road from Thayer south, Oregon Co., 1.614 mi. Summerville-Mt. View Rd., Texas Co., 4.711 mi. St. Joseph-Grayson Rd., Buchanan Co.; 12 ft. gravel surfacing 7.583 mi. road from Elsinore south, Carter Co., 2.596 mi. road from Gainesville east, Ozark Co.; 16 ft. gravel surfacing 3.864 mi. Canton-Monticello Rd., Lewis Co., 0.257 mi. road from Diehlstadt south, Scott Co.; 18 ft. penetration macadam surfacing 4.711 mi. St. Joseph-Grayson Rd., Buchanan Co.; 18 ft. asphaltic concrete surfacing 4.711 mi. St. Joseph-Grayson Rd., Buchanan Co.; 18 ft. rock asphalt surfacing 4.711 mi. St. Joseph-Grayson Rd., Buchanan Co. B. H. Piepmeier, ch. engr.

Missouri—Jan. 31, by State Hy. Dept., Jefferson City, grading 28.083 mi. roads in Clinton, Grundy, Livingston, Oregon and Shannon Counties; 12 ft. gravel surfacing 11.509 mi. roads in Cedar, Clark and Polk Counties; 18 ft. asphaltic concrete surfacing 17.14 mi. roads in Clinton and Grundy Counties; 18 ft. penetration macadam surfacing 17.13 mi. roads in Clinton and Grundy Counties; 18 ft. rock asphalt surfacing 17.14 mi. roads in Clinton and Grundy Counties. B. H. Piepmeier, ch. engr.

Mo., St. Louis — Feb. 10, by Bd. Pub. Serv., 208 City Hall, resetting curbs, asphalt on cement paving 5,155 sq.yd. Delmar Blvd. $43,600; granite curbing, asphalt on concrete paving 2,010 sq.yd. Tennessee St. $14,000, 6,625 sq.yd. Theodore St. $53,120, 1,865 sq.yd. Eastgate St. $6,725, 2,150 sq.yd. Montana St. $14,200, 2,405 sq.yd. Elmbank St. $18,600, 2,550 sq.yd. Francis St. $18,920, 1,470 sq.yd. Garner St. $11,000, 1,600 sq.yd. Bancroft St. $12,120; willite on concrete paving 8,745 sq.yd. St. Louis St. $43,200; Trinidad asphalt paving, granite curbing, etc., 2,550 sq.yd. Francis St. $18,920; brick on concrete paving, granite curbing, etc., 3,310 sq.yd. Garner St. $24,725. W. W. Horner, city engr.

Mo., St. Louis — Feb. 17, by Bd. Pub. Serv., 208 City Hall (Willite process) asphalt paving 4,870 sq.yd. 14th St. viaduct, $7,500; wood block, granite and miscellaneous brick paving, and granite sidewalks on 14th St. viaduct, $40,000. W. W. Horner, city engr.

Tex., Baird — Jan. 30, by V. Gilbert, judge Callahan Co., grading, bridging and concrete paving 8.39 mi. State Highway 1, between Clyde and Taylor Co. line, Federal Aid Project 52 E, 26 ft. $36,400. T. H. Webb, Baird, co. engr.

Tex., El Paso—Feb. 10, by E. B. McClintock, judge El Paso Co., grading 2 in. bituminous surfacing, etc., 15.62 mi. State Highway 1, Federal Aid Project 439-E, 17 and 30 ft. F. E. Wilson, El Paso, co. engr. Noted Jan. 8.

Tex., Jacksboro—Jan. 30, by H. C. McClure, judge Jack Co., grading, bridging, concrete paving 1,339 sq.yd. State Highway 25, Archer City Rd., State Aid Project 568. $55,000. G. R. Johnston, Jacksboro, engr.

Tex., San Antonio — Feb. 7, by W. F. Huston, div. engr., 201 City Hall, repairing bituminous topped highways within 40 mi. radius, also 2,000 tons or more rock asphalt for same. $125,000.

Arizona — Feb. 2, by W. C. Lefebvre, state engr., c/o Apache Co. Hy. Comn., St. Johns, grading and graveling 19,000 cu.yd. St. Johns-Springerville Highway, Federal Aid Project 68-B.

California—Feb. 9, by State Hy. Comn., Sacramento, five 30 ft. span rein.-con. girder bridge, 21 ft., over San Gorgonio Wash, Riverside Co., also concrete paving and grading approaches. R. M. Morton, state highway engr.

California—See "Bridges."

Calif., Fresno—Supervs. Fresno Co. taking bids 4 in. asphaltic concrete paving, curbing, guttering, etc., Rd. Impvt. Dist. 6, $40,000 or more; 4 in. asphaltic concrete paving, etc., Rd. Impvt. Dist. 7, $200,000 or more. A. M. Jensen, Fresno, engr. Noted Dec. 11.

Calif., Inglewood — City Council taking bids improving Centimela Ave. between Redondo and Eucalyptus Aves., 173,115 sq.ft. grading, 5,300 ft. curbs, 26,043 sq.ft. sidewalks, 131,165 sq.ft. 6 in. concrete paving, etc.

Calif., Martinez — See "Excavation, Drainage, Irrigation, Levees."

Calif., San Mateo—City Trustees taking bids improving Edgewood and Glendale Rds., 22,000 sq.ft. 4 in. concrete paving on 1.5 in. Topeka surface, 1,050 lin.ft. concrete curbs, 1,000 cu.yd. excav., etc. C. L. Dimmitt, city engr.

From Pittsburgh

"Quite a number of the industrials and steel plants are starting to run full time, the outlook for 1925 is very bright, and the unemployed list will be short."

Construction News Correspondent

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, boro pres. Boro Hall, from Borough Asphalt Co., 1301 Metropolitan Ave., restoring and repaving various streets $50,972; from Brooklyn Alcatraz Co., 407 Hamilton Ave., curbing and paving Ave. K $10,000, East 36th St., $879, 76th St., $4,079; from Connor Bros., 629 Albany Ave., grading, curbing and flagging Lefferts Ave. $10,994; from Galco Contg. Co., 745 Dean St., East 36th St. $2,573, 62nd St. $4,126, 20th Ave. $985, 76th St. $1,252, from W. J. McHale Contg. Co., 1250 Jefferson St., Maple St. $5,429; from F. C. Kohart, Rutland Rd. $6,440; from M. J. O'Hara, 1228 Park Ave., New York City, asphalt paving 15th Ave. $1,214; from Cranford Co., 52 9th St. paving and repaving 20th Ave. $8,424. Noted Jan. 8.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Jan. 19, grading, curbing and sidewalks on Anable Ave., from Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J., $12,564, Cypress Hills Rd., from Raniere & Soviero, $1,870, Roosevelt Ave., from Pegno Constr. Co., 380 Freeman Ave., Astoria, $29,298, Suwanee Ave., from Sicilian Asphalt Paving Co., 41 Park Row, New York City, $7,175, 91st Ave., from H. J. Mullen Contg. Co., Jamaica Ave. and 144th St., Jamaica, $28,547; paving 91st Ave. from Uvalde Asphalt Paving Co., 1 Bway., New York City, $59,077. Noted Jan. 15.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Jan. 14, from M. Del Balso, 660 East 221st St., grading, curbing and sidewalks on East 243rd St., $6,189; from I. F. Cavaluzzo, 1538 Walton Ave., Adee Ave. $31,638; Pelham Parkway $12,547, Hermany Ave. $14,862; East 213th St. $7,159; from L. DiMinna, 2366 Lorrilard Pl., Quimby Ave. $3,770, East 172nd St. $1,399, East 195th St. $6,491; from S. Nugent, 285 West 150th St., Liebig Ave. $26,754, West 255th St. $2,144; from Bronx Sewer Co., 375 East Fordham Rd., Randall Ave. $8,415. Noted Jan. 8.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Jan. 13, from Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., asphalt guttering and granite curbing 6,075 sq.yd. 18th St., $25,950, asphalt paving, curbing and guttering 4,015 sq.yd. Fairfax St., $27,540, 1,240 sq.yd. Potomac St., $6,128, 14,910 sq.yd. Franklin Ave., $102,547; from Webb-Boone Paving Co., 5927 Fyler Ave., asphalt paving, concrete curbing and guttering 6,735 sq.yd. Macklind Ave., $37,541; from Granite Bituminous Paving Co., Railway Exch. Bldg., Warrenite paving, concrete guttering and granite curbing 10,090 sq.yd. Bell Ave. $51,998, 2,608 sq.yd. Dickson St. $14,083; from Skrainka Constr. Co., Security Bldg., brick paving and granite curbing 8,365 sq.yd. Marine Ave., $54,376. Noted Dec. 18.

Tex., Sanderson—Terrell Co., grading, caliche surfacing and bridging 25.07 mi. State Highway 12, Federal Aid Project 324-C, 18 ft., from W. T. Montgomery, Hayner & Burns, Alamo Bank Bldg., San Antonio, $95,495. Engrs. est. $100,373. Noted Dec. 25.

Colorado — State Hy. Dept., Denver, gravel surfacing 2.973 mi. Federal Aid Project 243 B, east of Piedra, Archuleta Co., from Eugler & Tessyler, Durango, $44,025; 3.143 mi. Federal Aid Project 265A, between Durango and Bayfield, La Plata Co., from Blackwell & Butler, Box 575, Grand Junction, $31,286.

Calif., Los Angeles—Improving Seville St., from J. Farquhor, Los Angeles, $1,094; grading, asphaltic concrete paving, etc., Saratoga St. from Baker & Vigis, Los Angeles, $6,681; grading, curbing, sidewalks, etc., on Clinton St., from J. R. McKnight, 360 South Reno St., $8,415, Herkimer St., from C. W. Shafer, 3301 South Hill St., $9,037; grading, curbing, warrenite bitulithic paving, etc., Harvard Blvd., from G. R. Curtis Paving Co., 2440 East 26th St., $27,410, Cypress Ave., from Warren Constr. Co., 2221 East 25th St., $7,863; grading and sidewalks on Kerchoff Ave. and grading and asphaltic macadam paving Menlo Ave., from Griffith Co., Railway Bldg., $1,993 and $9,067 respectively.

Calif., Hanford — Supervs. Kings Co., Jan. 5, improving Hanford-Riverbend Gap Rd., 4,722 cu.yd. concrete paving, 284,620 sq.ft. 1.5 in. Topeka or 284,620 sq.ft. 3.5 in. asphalt on concete, from A. J. Crocker Co., 58 2nd St., San Francisco, $53,728. Noted Dec. 18.

Calif., San Diego—Common Council, Jan. 5, from Pioneer Truck Co., 954 3rd St., improving Myrtle St., 110,077 sq.ft. 1.5 in. Topeka on 4 in. concrete at $0.207 per sq. ft., 12,072 sq.ft. concrete sidewalks $0.22, 2,623 lin.ft. concrete curb $0.65, total $27,147. Noted Nov. 27.

CONTRACTS AWARDED

Alabama—State Hy. Dept., Montgomery, grading 7 mi. Birmingham-Montgomery Rd., to Gills Constr. Co., Brewton, $84,753, engrs. est. $85,000; asphalt on concrete surfacing 7 mi. Birmingham-Montgomery Rd., to Morgan-Hill Constr. Co., Woodward Bldg., $229,814, engrs. est. $230,000, state furnishes cement at $106,874, both 18 ft., Chilton Co. Noted Dec. 4 and Jan. 8.

Miss., Corinth—Grading, curbing, asphalt surfacing, etc., 30 blocks various streets, 24 and 26 ft., to Carey Reed Co., Lexington, Ky.

Miss., Iuka — Tishomingo Co., grading, clearing, etc., 9 mi. Iuka-Tishomingo Rd., to E. H. Gravette, Iuka.

Miss., Vicksburg—Bd. Supervs. Warren Co., gravel surfacing 5 mi. Oak Ridge-County line Rd., to Owens Constr. Co., Vicksburg, $28,000.

La., Homer — Claiborne Parish Police Jury, grading and gravel surfacing 14.51 mi. Sects. A, B and C, Junction City-Homer Rd., and Sect. A, Homer-Oldfield Rd., to F. D. Harney & Co., Memphis, Tenn. Noted Jan. 1.

Michigan — State Hy. Dept. at office Comrs. Lapeer Co., Lapeer, grading and gravel surfacing 2.967 mi. Assessment Dist. Rd. 460, to Poyer & Hawkins, Bay City, $41,562. Noted Jan. 8.

Kan., Columbus—Cherokee Co., grading, chats surfacing, etc. Federal Aid Project 255-A, to Shultz & Shultz, Harper, $59,372. Engrs. est. $65,591. Noted Dec. 18.

Kan., Eldorado—Butler Co., grading, etc. 7.144 mi. Federal Aid Project 239-A, B and C, 28 ft., to Maney Bros., Empire Bldg., Oklahoma City, $54,418. Noted Dec. 25.

Kan., Lyndon—Osage Co., grading, concrete surfacing, etc. 1.647 mi. Federal Aid Project 266-B, to M. M. Penny Constr. Co., Ponca City, Okla., $85,857; 2 bridges

Streets and Roads (Continued)

on Federal Aid Project 266-D, to Silver Constr. Co., Osage City, $17,113. Noted Nov. 13.

Kan., Oswego—Labette Co., grading, etc. Federal Aid Project 214-A, to Cook & Waddell, Ottawa, $34,626. Engrs. est. $39,361. Rejected bids gravel surfacing same road, and work will be done by day labor. Noted Dec. 18.

Kan., Oswego—Labette Co., grading, etc., 6.751 mi. Federal Aid Project 214-A, to Cook & Waddell, Ottawa, $40,189. Rejected bids surfacing same road. Will re-advertise. Noted Dec. 4.

Kan., Paola—Miami Co., grading Federal Aid Project 213-A and 293-A, to Tibbetts & Pleasants, Olathe, $20,905 and $20,847 respectively; culverts and bridges on Federal Aid Project 213 A, to Yancey Constr. Co., $15,946 and $9,258 respectively; culverts on Federal Aid Project 293 A, to A. L. Cook, Ottawa, $7,849. Noted Jan. 15.

Missouri—State Hy. Comn., at Hotel Jefferson, St. Louis, to J. Stanton, Leavenworth, Kan., concrete surfacing 4.374 mi. road in Marion Co., $67,965, state to furnish material $63,106, 5.766 mi. road in Ralls Co. $115,817, state to furnish material $87,121; to Cook-O'Brien Constr. Co., 305 Railway Exch. Bldg., Kansas City, grading 10.64 mi. road in Platte Co. $101,868, state to furnish material $5,853; to J. H. Stephens, Mansfield, grading and graveling 2.321 mi. road in Camden Co., $6,472, 6.571 mi. road in Cole Co. $22,647, to Talbert Bros., Fordland, 7.31 mi. road in Dent Co. $47,175, to Summerfield-Jones Co., Billings, 3.875 mi. road in Douglas Co. $51,485, state to furnish material $1,465, to J. A. Kerr, Ozark, 4.116 mi. road in Lawrence Co. $36,747, state to furnish material $1,938, to F. Kersting Co., Jefferson City, 5.839 mi. road in Montgomery Co. $78,709, state to furnish material $40,566, to Kiefner & Geile, Perryville, 1.163 mi. road in St. Francois Co. $5,663, to S. J. Chaney, Bronson, 8.383 mi. road in Texas Co. $52,216, state to furnish material $1,297.

Texas—San Benito & Rio Grande Ry. Co., San Benito, grading and bridging 15 mi. road between end of track near Hidalgo and Santa Maria, to W. H. Nichols & Co., Dallas, $49,082.

Tex., Carrizo Springs — Dimmitt Co., grading, gravel caliche, crushed rock and macadam surfacing 12.27 mi. road between here and Maverick Co. line, to Buchanan & Veasley, Temple, $97,416; 11.69 mi. same road to D. H. Buchanan, Temple, $102,147, both 18 ft. Noted Dec. 25.

Tex., San Antonio—Will widen approximately 6 blocks South Flores St., 35 ft., by day labor. $200,000. I. Ewig, c/o City Hall, engr.

Tex., Sweetwater—Nolan Co., grading, bituminous surfacing on sledged stone and bridging 12.48 mi. State Highway 70, to C. C. O'Neal, Dallas, $131,413. Engrs. est. $145,000. Noted Jan. 8.

Okla., Checotah—Vertical fibre brick resurfacing 19,000 sq.yd. Bway., Gentry and West 2nd Sts., to Dougherty-Nichols Co., 416 Equity Bldg., $64,192. Engrs. est. $69,000.

Okla., Oklahoma City—Grading, curbing and 6 in. 2 course Willite asphalt surfacing 15,700 sq.yd. 18th St., to Western Paving Co., Tradesmens Bldg., $89,954; 8- to 15-in. sanitary sewers at Capitol Hill, to J. Tiley & Sons, $882. Noted Jan. 1.

Okla., Wetumka—Grading, curbing, brick on concrete paving, etc., 5,500 sq.yd. Dist. 4, to Park & Moran, Okmulgee, $27,265. Noted Jan. 1.

Wash., Seattle—King Co., to J. H. Collins & Co., Spokane, paving 1.25 mi. Highway 28, Auburn South, 15,477 sq.yd. concrete $2.25 per sq.yd., 1,950 cu.yd. earth excav. $0.75, etc., total $95,898; to Adams, Hancock & Adams, Renton, 2 mi. Perm Highway 36, Benson Rd. from Renton south, 28,987 sq.yd. concrete $2.30, 9,446 cu.yd. earth excav. $0.70, etc., total $77,470; to R. L. Rowland, Seattle, 2 mi. Perm Highway 37, Renton-Maple Valley Rd., 15,470 sq.yd. concrete $2.08, 1,962 cu.yd. earth excav. $0.45, etc., total $64,825.

Calif., Burbank—Grading, curbing, sidewalks, lighting system, concrete and oil macadam paving, Benmar Hills Tract, to G. A. Simpson, Olson Bldg., approximately $350,000.

Calif., Chico—City Trustees improving Normal Ave., Hazel St., etc., 581,040 sq.ft. grading, 575,200 sq.ft. 5 in. asphaltic concrete paving, etc., to J. E. Johnston, 315 Stockton Savings & Loan Bank Bldg., Stockton, $114,580. Noted Dec. 25.

Calif., El Cerrito — Improving various streets, incl. Lincoln, Eureka Sts., etc., 240,000 sq.ft. 1.5 in. Warrenite-bituminous on 2.5 in. asphaltic concrete, 15,246 lin.ft. curbing, 26,221 sq.ft. grading, etc., to A. J. Crocker, 58 2nd St., San Francisco, $79,965. Noted Jan. 8.

Calif., Hanford—Supervs. Kings Co., improving Hanford-Riverbend Gap Rd., 4,722 cu.yd. concrete paving, 284,620 sq.ft. 1.5 in. Topeka or 284,620 sq.ft. 3.5 in. asphalt on concrete, to A. J. Crocker Co., 58 2nd St., San Francisco, $53,728. Noted Dec. 18.

Calif., Huntington Park—To Gibbons & Reed, 905 South Olive St., Los Angeles, paving Santa Ana St., approximately 120,000 sq.ft. 6 in. concrete at $0.20 per sq.ft. Noted Dec. 25.

Calif., San Diego—A. H. Wright, city clerk, improving Ibis, Ingalls and four other streets, to G. R. Daley, 4430 Boundary St., $26,951. Noted Jan. 8.

Calif., Santa Ana—To Griffith Co., Railway Bldg., Los Angeles, improving Orange and portions of Cypress Aves., 110,328 sq.ft. 5 in. concrete paving at $0.173 per sq.ft., 110,954 sq.ft. 6 in. concrete paving $0.196, etc., total approximately $42,000.

Calif., Seal Beach—Curbing, 5 in. concrete paving, Topeka surface, etc., portions of 5th, 6th and 7th Sts., to Griffith Co., Railway Bldg., Los Angeles, $33,560. Noted Jan. 15.

Calif., Stockton—Supervs. San Joaquin Co. improving Boberg Rd., 5,000 cu.yd. grading, 9,550 tons base and 2,930 tons top rock, 1,350 tons screenings or pea gravel, 1,220 bbls. asphaltic oil, to I. H. Cupps, 136 St. Roses Ave., San Francisco, $38,285. Noted Jan. 15.

Calif., Stockton — Supervs. San Joaquin Co., improving 17,916 lin.ft. Stanislaus River Rd., 4,000 cu.yd. grading, 8,200 tons base and 2,350 tons top rock, 1,180 tons screenings, 970 lbs. asphaltic oil, etc., to Freeman & Whiting, Redwood City, $29,998.

Calif., Torrance—Grading, 1 in. Willite on 3 in. asphaltic concrete paving 4 in. side sewers, etc., in alleys in Torrence Tract, to Dunkle & Phillips, San Fernando Bldg., Los Angeles, $41,827.

Que., Trois Pistoles—Dept. Provincial Highways, Quebec, macadamizing Tobi Hill, here to T. E. Rousseau, 48 2nd Ave. Limoilou, $62,000. Engrs. est. $60,000.

Buildings—Industrial

PROPOSED WORK

Me., Camden—Mill—Seabright Woven Felt Co., Camden, plans 4 story, 55 x 115 ft. addition. $300,000. Engineer and architect not selected.

Me., Madawaska—Plant—Fraser Companies, Edmunston, N. B., soon takes bids for large paper plant, here. $1,000,000.

Conn., Rainbow—Power Plant—Stanley Works, Grove Hill, New Britain, plans power plant, incl. an artificial lake and dam adjacent to Farmington River Waterway, 8,000 kw. capacity. $1,000,000.

N. J., Trenton—Bakery—General Baking Co., 564 Perry St., plans 1 story, 93 x 100 ft. bakery, Brunswick Ave. $40,000.

N. C., Ashboro—Mill—Parks Hosiery Mills, Inc., plans 2 story, 60x100 ft., brick mill, $75,000. H. Parks, Ashboro, pres.

N. C., Asheville—Plant—Sayles Finishing Co., Saylesville, R. I., plans finishing plant, near here. $2,000,000. J. E. Sirrine, Greenville, S. C., engr.

N. C., Saluda—Power House—See "Unclassified."

O., Cleveland—Factory, etc.—J. Kinsner & Son Co., 8710 Blaine Ave., having plans prepared by K. I. Best & E. G. Hoefler, B. F. Keith Bldg., 1 story, 100 x 200 ft., brick and steel factory and warehouse, West 114th St. $60,000.

O., Cleveland—Plant—Bryant Heaters & Mfg. Co., 952 East 72nd St., having plans prepared by G. Fox, c/o owner, 1 and 2 story, brick and steel, East 179th St. and St. Clair Ave. $200,000.

Mich., Port Huron—See "London, Ont."

Wis., Milwaukee—Plant—Everpure Ice Co., 1500 Walnut St., had plans prepared by and soon takes bids 2 story, 30 x 100 ft., brick and timber addition, plain foundation. Walnut St. $40,000. G. B. Wright Co., 103 Marquette Bldg., Detroit, Mich., engr.

Wis., Two Rivers—Plant—Kahlenberg Bros. Co., W. Kahlenberg, pres., soon takes bids 1 story, 60 x 152 ft., brick and steel addition, plain foundation. $45,000. Private plans. Noted Nov. 13.

Ia., Sioux City—Machine Shop—Albertson Co., 3100 Floyd Ave., having plans prepared by Colby & Westerlind, 108 War Eagle Bldg., 2 story, 150 x 165 ft., rein.-con. and brick addition. $50,000.

Mo., St. Louis—Factory, etc.—Phelan-Faust Paint Mfg. Co., 1215 Pine St., having preliminary plans prepared factory and general office building, brick and concrete, Blow and Loughborough Sts. $200,000.

Tex., Dallas—Plant—M. Hahn, pres. M. Hahn Packing Co., North Alamo St., having plans prepared and soon takes bids packing plant, smoke houses, etc., rein.-con. and brick, plain foundation. $80,000. M. P. Burt, Dallas, engr.

Tex., Houston—Plant—See "Building—Commercial."

Okla., Frederick—Compress—R. A. Harrison making preliminary plans 1 story, 300 x 450 ft., timber, plain foundation. $100,000. Engineer and architect not selected.

Wash., Aberdeen — Power House — See "Waterworks."

Wash., Vancouver — Mill — Washington Oregon Linen Mills, plans 2 story, 80 x 150 ft., and 200 x 450 ft. steel and brick buildings. $600,000. Address A. L. Miller, Vancouver, secy.

Ore., Camas—Mill—Owner, c/o F. W. Leadbetter, pres., 795 Park St., plans mill buildings, west of here. $1,000,000.

Que., Thurso—Plant—Singer Mfg. Co. St. Johns, plans factory. $1,000,000. Engineer and architect not selected.

Ont., Humberstone—Distillery—Highland Scotch Distillers, Ltd., plans concrete and brick distillery, incl. tanks, stills, pumps, etc.

Ont., London—Plants—Cunningham Furnace & Mchy. Co., 1 York St., plans remodeling plant, and opening branch plant in Port Huron, Mich. $100,000.

Ont., Owen Sound—Northern Bolt, Screw & Wire Co., plans rebuilding factory, recently destroyed by fire. Loss $75,000.

Ont., Toronto—Factory—E. and S. Currie Ltd., 50 York St., having plans prepared by W. Steele & Sons Co., 31 Bloor St. E., 6 story and basement, rein.-con., brick and steel, plain foundation, Spadina Ave. $200,000. Noted Jan. 15.

Ont., Toronto—Refinery—McColl Bros., 114 Don Esplanade Ave., plans oil refinery, incl. steel tanks, steel stills, etc., here. $150,000.

Man., Winnipeg — Refinery — Dyer Co., 2031 Euclid Ave., Cleveland, O., plans sugar refinery, here. $2,000,000.

BIDS DESIRED

Mass., Watertown—Factory—Jolly Ice Cream Co., Main St., taking bids 2 story, 45 x 50 ft., and 50 x 60 ft., rein.-con. and brick, Main and Westminster Sts. $40,000. W. H. Haines, 32 Riverview Ave., Waltham, archt.

CONTRACTS AWARDED

Md., Sparrows Point—Mill—Bethlehem Steel Co., will build 2 story, steel mill, plain foundation, by day labor. $300,000. Private plans.

O., Defiance—Factory—Page Organ Co., c/o O. M. Samson, 1 story, 23 x 133 ft., brick, steel and concrete, to Austin Co., 16112 Euclid Ave., Cleveland. Archts. est. $40,000.

Ill., Rockford—Factory—Rockford Paper Box Board Co., Catherine St., 3 story, 70 x 100 ft., brick and concrete factory, to Holm-Page Co., Kishwaukee St. Archts. est. $75,000.

Wis., Navarino — Feed Mill—Fenn & Meyer, will build 2 story, brick feed mill, plain foundation, by day labor. $40,000. Private plans.

Wash., Tacoma—Sub-Station—Commissioner Light & Water, concrete substation proper, tunnels, footings for oustide equipment and steel structures to support heavy bus connections, for Cushman power project, to Dougan & Chrisman, Hinckley Bldg., Seattle, $166,471. Noted Dec. 25.

Calif., Los Angeles—Factory—McClellan Mfg. Co., 951 South Los Angeles St., 1 story, 50 x 100 ft., and 1 story, 200 x 235 ft., both brick and steel, South Park Ave., to Austin Co. of California, 777 East Washington St.

Calif., Los Angeles—Laundry—H. Pierce, archt., Wright-Callender Bldg., 3 story, brick laundry, Main St., to Lynch Constr. Co., Central Bldg., for Peerless Laundry Co., 5826 South Main St., $75,000. Noted Jan. 15.

Calif., Los Angeles—Sub-Station—Los Angeles Gas & Electric Co., 645 South Hill St., 1, 2 and 3 story, 155 x 236 ft., rein.-con., Velasco St., to D. P. Robinson & Co., Union Oil Bldg.

Ont., Niagara Falls—Factory—Burgess Battery Co., Niagara Falls, concrete, brick and steel addition, to Robertson Constr. Co., Ltd., Niagara Falls. Archts. est. $60,000.

Buildings—Commercial

PROPOSED WORK

N. H., Concord—Temple and Theatre—Tash Real Estate Assn., c/o C. R. Whitcher, archt., 814 Elm St., Manchester, having plans prepared 3 story and basement, brick and steel temple and theatre. To exceed $150,000.

N. H., Manchester—Society—Bek Tash Temple having plans prepared by C. R. Whitcher, 814 Elm St., 3 story and basement, 100 x 150 ft., rein.-con. and brick. $250,000.

Buildings—Commercial (Continued)

Mass., Boston — Station—Commonwealth of Massachusetts, having preliminary plans prepared for elevated station, Charles and Cambridge Sts. $600,000, legislation appropriation. Boston Transit Dept., 1 Beacon St., engrs.

Mass., Fitchburg — Hospital — Trustees Burbank Hospital, J. H. Delaney, chn., plan altering and constructing 2 story and basement wing addition, $350,000.

Mass., Lynn—Hospital—Lynn Hospital, H. M. Hoague, pres., 528 Broad St., having plans prepared by Kendall, Taylor & Co., archts., 142 Berkley St., Boston, and Sanborn & Weed, associated archts., 38 Exchange St., for hospital. Noted Dec. 4.

Mass., Newton—Hospital—New England Home for Crippled Children, Newton Centre, having sketches made by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, orthopedic surgery hospital for treatment of infantile paralysis, etc., in Oak Hill Center, here. $150,000. Noted Dec. 4.

Mass., Pittsfield — Office and Store — Sweeney & Farrell Corp., c/o G. E. Haynes, archt., 184 North St., having revised plans prepared 4 story and basement, 50 x 130 ft., brick and steel, North St. $175,000.

Mass., South Boston (Boston P. O.)—Garage—J. D. Marr, c/o E. N. Adams, archts., 86 Everett St., Arlington, takes bids about Feb. 1st, 2 story, 100 x 200 ft., rein.-con., Old Colony Ave. and D Sts., here. $175,000. Noted Oct. 30.

Mass., Worcester—High School—School Comn., City Hall, plans commercial high school and manual training school, Walnut St. $500,000.

R. I., Cranston—City Hall—City, D. D. Waterman, city clk., having preliminary plans prepared by W. R. Walker & Son, 49 Weybosset St., Providence, for city hall, Park Ave. $300,000.

R. I., Cranston—High School—City having preliminary plans prepared by W. R. Walker & Son, 49 Weybosset St., Providence, for high school. $400,000. Noted Dec. 25.

Conn., Hartford — Exchange — Southern New England Telephone Co., Pearl St., plans brick and steel addition to central exchange, Pearl St. $200,000. R. W. Foote, 185 Church St., New Haven, archts.

N. Y., Buffalo—Memorial Home—American Legion, V. G. Hart, commander, Ellicott Sq. Bldg., plans memorial home. $1,000,000.

N. Y., Freeport—Bank—Freeport Bank having plans prepared by Purdy & Davis, archts. and engrs., 350 Madison Ave., New York City, 1 story, brick, steel and stone, plain foundation. $150,000.

N. Y., Hamilton—Hotel—Colgate Inn, Inc., Hamilton, having plans prepared by J. G. White Eng. Corp., 43 Exch. Pl., New York City, 48 room hotel, Payne and Madison Sts.

N. J., Jersey City—Y. W. C. A., 43 Belmont Ave., having plans prepared by J. T. Rowland, 100 Sip Ave., 7 story, brick, steel and stone, plain foundation, Fairmont Ave.

N. Y., New York—Apartment—Central Park West Impvt. Co., c/o H. Wolff, archt., 30 East 23rd St., having plans prepared 9 story, 60 x 85 ft., brick, steel and stone, plain foundation, 15 West 65th St. $800,000.

N. Y., New York—Apartment—F. H. Realty Corp., c/o E. Roth, archt. and engr., 119 West 40th St., having plans prepared 15 story, brick, steel and stone, plain foundation, Amsterdam Ave. $1,200,000.

N. Y., New York—Apartment—M. T. K. Building Co., c/o Rotholz & Golden, archts. and engrs., 311 Lenox Ave., having plans prepared 6 story, 155 x 205 ft., brick, steel and stone, plain foundation, East 176th St. $600,000.

N. Y., New York—Hotel—Cornish Arms Hotel Co., c/o W. H. Jackson, archt. and engr., 1834 Bway., having plans prepared 12 story, brick, steel and stone, plain foundation, 323 West 23rd St. $1,000,000.

N. J., Audubon—High School—Bd. Educ. plans new high school. $500,000. Engineer and architect not selected.

N. J., Camden—Hospital—Bd. Freeholders Camden Co. plans to expend $485,550 for addition to insane hospital; $51,304 for connecting buildings; $132,251 for nurses' home; $174,900 for infirmary; $32,470 for corridor and $52,470 for other improvements. J. J. Albertson, Camden, archt.

N. J., Princeton—Engineering—Princeton University having plans prepared by Day & Klauder, Franklin Bldg., Phila., Pa., 3 story engineering building. $1,000,000.

N. J., Trenton—Temple—Masonic Home Assn., having plans prepared by Hill & Gollner, Broad St. Bank Bldg., constructing new temple, East Front St. $750,000.

Pa., Punxsutawney—School—School Dist. plans 3 story, 100 x 200 ft., brick and steel school. $300,000. Engineer and architect not selected.

Pa., Upper Darby (branch of Phila.)—Apartment and Store—W. A. Hall, archt., P. O. Bldg., preparing plans 4 story and basement, 135 x 160 ft., brick and steel, plain foundation. $300,000. Owner's name withheld.

Va., Richmond — Church — Woodland Heights Methodist Church having plans prepared new church, McDonough and 32nd Sts. $150,000. E. P. Smith, chn. building com.

Va., Virginia Beach — Hotel — Virginia Beach Hotel Corp. having plans prepared by McLanahan & Beacker, Bellevue Ct. Bldg., Phila., Pa., 315 room hotel, fireproof, on 60 acre tract, also 18 hole golf course. $1,800,000.

N. C., Durham—Hospital-Durham Co. plans tuberculosis hospital. $200,000. H. L. Carver, Rougemont, chn.

N. C., Durham—Hospital-Watts Hospital plans enlarging facilities, incl. addition to hospital $150,000, also enlarging dining room and nurses home $50,000. J. Spount Hill, chn. bd. trustees.

N. C., Winston-Salem—City Hall—City had plans prepared new city hall, Main St. $400,000. Engineer and architect not announced.

S. C., Greenville — Theatre — W. H. Kieth, having plans prepared by Beecham & Le Grand, North St., 2 story, rein.-con., plain foundation, Main St. $150,000.

Fla., Homestead—Hotel—Homestead Development Assn., W. D. Horn, pres., having plans prepared by W. C. DeGarmo, Fidelity Bank Bldg., Miami, 4 story hotel, Krome and Kings Aves. $300,000.

Fla., Miami—Hotel—Melrose Hotel Corp. had plans prepared by H. G. Fink, Miami, 4 story hotel, North West 27th St. $750,000.

Fla., Miami—Office—P. J. Davis & Associates having plans prepared by Robertson & Patterson, Calumet Bldg., 12 story, 100 x 300 ft. office building, North East 1st St. $2,500,000.

Tenn., Nashville — Office, Store and Garage—H. G. Hill, 500 2nd Ave. N., having plans prepared by Marr & Holman, Stahlman Bldg., 4 story, 82 x 125 ft., rein.-con. and brick office and store building, Church St. and 9th Ave., also garage in rear. $200,000.

Ky., Ashland—City Hall—City Council having sketches made 3 story and basement, concrete, brick and stone. $200,000. Engineer and architect not selected.

Ky., Ashland—Temple—Masonic Temple Assn., having sketches made 4 story and basement, concrete, brick and steel. $250,000. Engineer and architect not selected.

O., Ashland—Home—Bd. Comrs. Richland Co. having plans prepared by V. Redding and associates, Bird Bldg., Cleveland, 2 story and basement, 38 x 40 x 72 x 104 ft., concrete, brick and steel. $200,000.

O., Belmont — School — Bd. Educ., C. Powell, clk., having sketches made 3 story and basement, brick, concrete and terra cotta, grade and high school. $325,000 bonds voted. Engineer and architect not selected.

O., Chillicothe—School—Bd. Educ., E. Hess, secy., having sketches made 2 story and basement, brick and concrete school. $200,000. Engineer and architect not selected.

O., Cleveland—Church and School—St. Emericks Church, J. Hartel, pastor, 1924 West 22nd St., had plans prepared by H. Kling & Son, archts., Youngstown, and A. F. Foose, consult. archt., 212 Auditorium Garage Bldg., 2 story and basement, concrete, brick and steel, West 22nd St. $150,000.

O., Cleveland—Church, School, etc.—First Magyar Reformed Church, 2854 East 79th St., plans 2 and 3 story, brick church, school and parsonage, East Blvd. and Buckeye Rd. $200,000. Engineer and architect not selected.

O., Cleveland — Commercial, Apartment and Theatre—H. Feigenbaum, Inc., Williamson Bldg., having plans prepared by A. W. Harris, Discount Bldg., 1 and 3 story, brick, steel and concrete, on 125 x 159 ft. site, North Woodland Ave. and North Morland Blvd. $200,000.

O., Cleveland—Store, Office and Apartment—S. Silberman, East 93rd St. and Nevada Ave., plans 2 story and basement, brick and steel, Coventry and Mayfield Rds. $350,000. Engineer and architect not selected.

O., Cleveland—Store—S. S. Kresge Co., c/o H. Holmes, construction engr., Kresge Bldg., Detroit, Mich., plans 2 story and basement, concrete, brick and steel, on 35 x 300 ft. site, 5706 Bway., here. $150,000.

O., Cleveland—Store and Apartment—Syndicate, c/o L. Abrams, Engineers Bldg., having plans prepared by J. F. Steffens, Fidelity Mortgage Bldg., 3 story and basement, brick, steel and concrete, Superior Ave. and East 124th St. $150,000.

Ill., Harrisburg—Church—First Methodist Congregation, c/o W. H. Whitlock, pastor, 122 West Poplar St., plans 2 story and basement, rein.-con., brick and stone. $125,000-$150,000.

Ill., Joliet — Church and Community House—First Baptist Congregation, 1508 East Washington St., soon takes bids 2 and 3 story and basement, 125 x 126 ft., brick and concrete, Eastern and Clinton Sts. $200,000. J. R. Morison, 64 West Randolph St., Chicago, archt. Noted July 10.

Ill., La Grange—Church—Emanuel Congregation, c/o I. Goddard, pastor, 213 South Kensington Ave., making preliminary plans brick, concrete and stone church. $250,000. E. S. Humphreys, 211 South Waiola Ave., secy. building com. Engineer and architect not selected.

Wis., Milwaukee — Police Station and Schools—Budget for 1925 adopted and includes $1,400,000 bonds for central police station, also $1,000,000 bonds for schools.

Mo., St. Louis—Hotel—Local Syndicate, c/o Hitzman Realty Co., 401 Times Bldg., making preliminary plans 9 story and basement, 90 x 120 ft., rein.-con., brick, stone and steel, Washington and 18th Sts. $2,000,000. Private plans.

Ark., Little Rock—Office—G. W. Donaughey, c/o Bankers Trust Bldg., having preliminary plans prepared by H. McDonnell, 247 Park Ave., New York City, and will build 14 story and basement, 100 x 140 ft., rein.-con., brick and steel, 7th and Main Sts., by day labor. $1,000,000.

Tex., Houston — Office, etc. — Houston Printing Co., Houston, plans 16 story and basement, rein.-con., brick and steel, office and plant, plain and concrete pile foundation, Texas and Fannin Sts. $1,250,000. Engineer and architect not announced. R. S. Sterling, 4515 Rossmoyne Blvd., chn.

BRIDGE—PENNSYLVANIA

Bids were opened (lowest 3) by Delaware River Bridge Joint Comn., Widener Bldg., Phila., for Camden Approach to bridge over Delaware River connecting Philadelphia and Camden, Contr. No. 20, (A) O'Neill Co., 231 Spring Garden St. (awarded contract); (B) Frederick Snare Corp., Weightman Bldg.; (C) F. J. Boas, 201 North Broad St. The unit bids are as follows:

	A	B	C
2,320,000 lb. carbon steel	$0 06	$0 0576	$0 055
420,000 lb. silicon steel	0725	0670	065
60,000 lb. cast steel	13 00	1025	11
500,000 lb. reinforcing steel	049	05	045
2,400 cu.yd. excavation	2 00	4 00	2 50
300 cu.yd. fill	5 00	3 00	3 00
10,000 lin.ft. reinforced concrete piles	1 85	1 90	2 00
10,000 lin.ft. driving reinforced concrete piles	1 15	40	1 08
3,120 cu.yd. concrete masonry, grade "A"	22 55	24 00	29 00
960 cu.yd. concrete masonry, grade "B"	16 00	20 00	19 00
290 cu.yd. granite masonry, rockface ashlar	91 95	108 00	90 00
320 cu.yd. granite masonry, four cut	149 85	154 00	150 00
500 lin.ft. 2 ft. 6 in. diameter brick sewer	12 00	18 00	15 00
25 lin.ft. 2 ft. 6 in. x 1 ft. 8 in. brick sewer	8 50	18 00	12 00
115 lin.ft. 24 in. diameter vitrified clay pipe sewer in concrete cradle	15 00	13 00	13 00
20 lin.ft. 12 in. diameter vitrified clay pipe	3 00	8 00	8 00
5 brick manholes with covers and frames	125 00	180 00	155 00
20 cu.yd. rubble (French) drains	4 50	6 00	5 00
100 sq.yd. damp-proofing	40	1 50	50
500 lin.ft. test borings	1 65	2 00	1 70
Extended totals	$408,161	$414,377	$414,950

Buildings—Commercial (Continued)

Tex., Houston — Office — Houston Post-Dispatch Printing Co., R. S. Sterling, chn., 602 Travis Bldg., having plans prepared by Sanguinet, Staats, Hedrick & Gottlieb, 204 2nd Natl. Bank Bldg., 16 story, reni.-con., steel, Bedford limestone, terrazzo, tar and gravel, Texas Ave. and Fannin St. $1,500,000.

Wash., Seattle—Apartment—E. A. Roberts, archt., Burke Bldg., takes bids about Feb. 10, 3 story, 103 x 160 ft. apartment, East 43rd and Brooklyn Sts., for Hartland Investment Co., Burke Bldg. $225,000.

Wash., Seattle—Apartment Hotel—L. N. Rosenbaum & Co., 130 West 42nd St., New York City, takes bids about Feb. 10, 10 story, concrete and steel, Pike St. and Hubbell Pl., here. $300,000.

Wash., Seattle—Office and Showroom—Lawton & Moldenhour, archts., Alaska Bldg., take bids about Feb. 15, 6 story, rein.-con. and brick, 9th Ave. and Stewart St., for L. N. Rosenbaum & Co., 130 West 42nd St., New York City. $160,000.

Calif., Long Beach — Club — Curlett & Beelman, archts., Union Bank Bldg., Los Angeles, soon takes bids 14 story and basement, approximately 150 x 250 ft., rein.-con., Ocean Ave., for Interests represented by D. M. Smith, c/o architects. $850,000 or more.

Calif., Los Angeles—Hospital—Walker & Eisen, archts., Great Republic Bldg., soon takes bids (1st unit) 8 story and basement, approximately 45 x 220 ft. hospital, 8 story and basement service building, and 50 x 80 ft. powerhouse, etc., Hope St., for California Lutheran Hospital Assn., 1414 South Hope St. $1,250,000. Noted Aug. 7.

Calif., Los Angeles—Mercantile—Western Constr. Co., 129 North Larchmont Blvd., plans mercantile building, Wilshire Blvd. $1,000,000.

BIDS DESIRED

Me., Orono — Armory and Gymnasium, etc.—University of Maine, taking bids 1 and 2 story, 118 x 318 ft., brick and timber armory, gymnasium and indoor base ball field. $500,000. Little & Russell, 45 Bronfield St., Boston, Mass., archts. Noted Aug. 21.

N. H., Nashua—Nurses Home—Jan. 26, by Nashua Memorial Hospital, A. Shea, chn., 3 story and basement, 40 x 100 ft. nurses home, brick and stone. $150,000. Stevens & Lee, 45 Newberry St., Boston, Mass., archts. Noted Jan. 15.

Mass., Boston — Garage — State Street Garage, Inc., c/o S. S. Eisenberg, archt., 46 Cornhill St., taking bids 6 story, 80 x 100 ft., rein.-con. and brick, 200 Cambridge St. $250,000. Noted Jan. 15.

Mass., Boston—Store—**Kakas Bros., Inc.,** 72 Chauncy St., taking bids remodeling 4 story and basement, brick and stone, 93-95 Newbury St. $150,000. Kilham, Hopkins & Greeley, 9 Park St., archt. Noted Dec. 25.

Mass., Brookline—Apartment—M. Miller, 130 Callender St., Boston, taking bids 3 story and basement, 100 x 120 ft., brick and stone, Winchester St., here. $150,000. S. S. Levy, 35 Court St., Boston, archt.

Mass., Dorchester (Boston P. O.) — Apartment—D. Feldman, c/o S. S. Levy, archt., 35 Court St., Boston, taking bids 3 story and basement, 80 x 90 ft., rein.-con. and brick, plain foundation, Wellington Hill St., here. $150,000.

Mass., Jamaica Plain (Boston P. O.)—High School—Jan. 30, by Schoolhouse Dept., Boston, 3 story and basement, 70 x 130 ft., brick and stone addition, Elm St. $185,000. Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, archts. Noted Sept. 25.

Mass., New Bedford—High School—City, Municipal Bldg., taking bids 3 story and basement, 160 x 225 ft., brick and limestone addition, Court St. $500,000. Brown & Poole, 688 Pleasant St., archts.

Mass., New Bedford—Theatre and Office—Z. Ray, 1527 Acushnet Ave., taking bids 2 story and basement, 72 x 130 ft. theatre, and 62 x 130 ft. office building, Acushnet Ave. $250,000. O. Crapo, 1428 Acushnet Ave., archt. Noted Dec. 25.

Mass., Newtonville—High School—Jan. 29 (change of date), by City of Newton, H. Fitts, chn., City Hall, Newton, 3 story and basement, brick and stone high school and gymnasium, Elm St., here. $600,000. Haven & Hoyt, 220 Devonshire St., Boston, engrs. W. A. Richardson, 80 Boylston St., Boston, archts. Noted Jan. 15.

Mass., Pittsfield—Store—England Bros. Dept. Store, North St., taking bids altering and constructing 3 story and basement, 50 x 100 ft., brick addition. $150,000. G. E. Haynes, 184 North St., archt. Noted July 10.

N. Y., Akron—High and Grade School—Feb. 10, by Bd. Educ., 2 story and basement, 100 x 125 ft., rein.-con. and brick school. To exceed $175,000. M. C. Miller, Root Bldg., Buffalo, archt.

N. Y., Brooklyn — Office and Store — Esthetic Building Corp., c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., will build 12 story, brick, steel and stone, plain foundation, Joralemon St. $1,500,000. Work will be done by separate contracts under supervision of architects.

N. Y., Brooklyn—School—Feb. 5, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., general construction P. S. 207, Fillmore Ave., for Bd. Educ., 500 Park Ave., New York. Former bids rejected. Noted Jan. 8.

N. Y., Utica—Bank and Office—Jan. 20, by First Natl. Bank & Trust Co., 14 story, 80 x 151 ft., brick, steel and stone, Genesee and Elizabeth Sts. York & Sawyer, 100 East 42nd St., New York City, archts. and engrs.

N. J., Caldwell—High School—Jan. 25, by Bd. Educ., 3 story and basement, 55 x 62 x 67 x 173 ft., brick and steel, plain foundation. $250,000. Starrett & Van Vleck, 8 West 40th St., New York City, archts.

Pa., State College—Store—Montgomery & Co., H. A. Leitzell, G. Smith, and C. Schlow, taking bids rebuilding 3 story and basement, 100x210 ft., brick and steel, College Ave. and Allen St., recently destroyed by fire. $175,000.

Del., Wilmington—School—Feb. 17, at office Bd. Pub. Educ., City Hall, W. R. Bancroft School, Lombard St. between 7th and 8th Sts. F. E. Booth, bus. mgr.; adv. E. N.-R. Jan. 22.

D. C., Wash.—Gymnasium, etc.—Jan. 24, by Secretary Dept. Interior, constructing gymnasium and armory building, etc. at Howard University. $200,000.

O., Cleveland — Church — Nativity of Blessed Virgin Mary Roman Catholic Church, c/o V. A. Chaloupka, pastor, 9614 Aetna Rd., taking bids and opens same about Feb. 2, 1 story and basement, 70 x 154 ft., brick, steel and concrete, Aetna Rd. $150,000. W. C. Jansen, 1227 Prospect Ave., archt. Noted July 31.

O., Cleveland—Store, Apartment and Office—Arden Realty Co., c/o P. F. Price, 12919 St. Clair Ave., taking bids 2 story and basement, 60 x 74 x 144 ft., brick and timber, East 131st St. and Miles Ave. $150,000. Allen-Osborn Co., Rose Bldg., archts.

O., Cleveland—Store, Office and Loft—Syndicate of Investors, c/o M. S. Koblitz, 424 Leader-News Bldg., taking bids 4 story and basement, brick, steel and concrete 1102 Superior Ave. $250,000. A. W. Harris, Discount Bldg., archt.

Mich., Albion—Gymnasium—Feb. 5, by Albion College, R. Stewart, bus. mgr., 1 and 2 story, brick and tile, plain foundation. $175,000. J. D. Chubb, 109 North Dearborn Ave., Chicago, Ill., archts.

Mich., Eloise—Infirmary—Jan. 28, by H. H. Prenzlauer, secy. Wayne Co. Supts. of Poor, 3 story and basement, 143 x 160 ft., rein.-con., brick and steel, plain foundation. McFarlane, Maul & Lenz, 1259 David Whitney Bldg., Detroit, archts.

Wis., Fond du Lac—High Schools—Feb. 4 (extended date), by Bd. Educ., c/o J. Hohensee, secy., 2 story and basement, brick and tile additions to Roosevelt Junior and Fond du Lac High Schools, plain foundations. $200,000 each. Noted Jan. 15.

Mo., St. Louis—Theatre and Office—Skouras Bros. Enterprises, Grand Central Bldg., taking bids 22 story and basement, 127 x 165 ft., rein.-con., brick, stone and steel, Locust and 7th Sts. $2,300,000. C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., archts. Noted Nov. 6.

Ark., Little Rock—Store—J. D. Back & Bro., 410 Main St., and Mann & Stern, archts., A. O. U. W. Bldg., taking bids and open same about Feb. 10, 4 story and basement, 50 x 140 ft., rein.-con., brick, steel and stone, Main and 5th Sts. $150,000.

Tex., Corpus Christi—Office and Bank—City Natl. Bank, taking bids 6 story and part basement, brick and stone, addition, plain foundation. $160,000. R. H. Cameron, 1116 City Natl. Bank Bldg., San Antonio, Tex., archt. Noted Jan. 1.

Tex., Dallas—Apartment—J. M. Westbrook, archt., 407½ North Bishop St., taking bids 3 story and basement, 70 x 170 ft., brick, stone, tile, steel and rein.-con., Marsalis St., for J. R. Hill, 824 North Marsalis St. $150,000.

Tex., Dallas—Office and Store—A. A. Brown, archt., Western Indemnity Bldg., taking bids and opens same about Feb. 5, 2 story and part basement, 148x176 ft., brick and steel, plain foundation, Young & Browder Sts., for Gray & Clark Co., c/o architects. $160,000.

Calif., Huntington Park—Theatre, Store and Apartment—Lindley & Selkirk, archts., Amer. Bank Bldg., Los Angeles, taking bids 2 story, 115 x 150 ft., rein.-con., for West Coast Theatres, Inc., 643 South Olive St., Los Angeles. $150,000.

Calif., Los Angeles—School—Jan. 28, by Bd. Educ., Eschelman School, 2 story, 154 x 178 ft., rein.-con. and brick, Orange St. H. Hasenerger, 1110 Insurance Exch. Bldg., archts.

Calif., Los Angeles — Store, Office and Garage — Morgan, Walls & Clements, archts., Van Nuys Bldg., taking bids 1 and 2 story, 200 x 200 ft., brick, Western Ave. and Sierra Vista St., for P. R. Meyer, c/o architects. Noted Dec. 25.

Calif., Pomona—Dormitory—Jan. 27, by G. B. McDougall, state archt., Forum Bldg., Sacramento, two 1 story, 77 x 166 ft., rein.-con. and hollow tile, here, for State Building Comn. Noted July 31.

Calif., San Francisco—Club—Meyer & Johnson, archts., 742 Market St., taking bids 4 story and basement, rein.-con., Sacramento St. near Grant Ave., for Chinese Y. M. C. A., c/o architects. $200,000.

Ont., Collingwood—High School—Feb. 17, by E. Ward, secy. Bd. Educ., 2 story and basement, 10 room, rein.-con., brick and steel, plain foundation. $160,000. J. Wilson, Collingwood, archt.

Ont., Ottawa—Orphans Home—Burritt & Kingston, archts., King Edward Ave., taking bids 2 story and basement, brick, plain foundation, Carling Ave., for Protestant Orphans Home. $150,000.

BIDS RECEIVED

N. J., New Brunswick—School—Building Comn. Bd. Educ., general contract alterations and additions to Bayard School, Bayard St., from J. L. Snitzler, 189 Easton Ave., $112,682. Noted Jan. 15.

Pa., Dormont—School—Bd. Educ. general contract 1 story and basement, 56 x 200 ft. school, from J. G. Fullman Co., E. E. Savings & Trust Bldg., Pittsburgh. $132,714.

Pa., West View—High School—Bd. Educ. general contract 2 story and basement, 68 x 110 ft. junior high school with two 25 x 62 ft. wings, from Rose & Fisher, Martin Bldg., Pittsburgh, $115,943. Noted Dec. 11.

Wis., Wauwatosa—Dormitory—W. Coffey, mgr. Bd. Trustees Milwaukee Co. Institutions, Jan. 14, 3 story and basement, brick and concrete dormitory addition at asylum for chronic insane, plain foundation, from Immel Constr. Co., Dana Bldg., Fond du Lac, $794,000. Noted Dec. 18.

CONTRACTS AWARDED

N. H., Woodsville—Hotel and Office—New Henderson Hotel Corp., 3 story, 60 x 130 ft., brick and steel, plain foundation. Main St., to R. E. Henderson, c/o owner. Archts. est. $175,000. Noted Dec. 25.

Mass., Boston — Apartment — Maryland Apartments, Inc., 31 Milk St., 10 story and basement, 70 x 100 ft., brick and steel, 510-516 Beacon St., to Boyle-Robertson Constr. Co., 370 Commonwealth Ave., Boston. Archts. est. $750,000.

Mass., Dorchester (Boston, P. O.)—Garage—M. A. Berman, 22 Fabyan St., 2 story, 100 x 150 ft., rein.-con. and brick, 995 Blue Hill Ave., to Hub Constr. Co., 333 Washington St., Boston. Archts. est. $160,000.

Mass., Gardner — Apartment — Frissell Eng. Co., 177 West St., will build 4 story and basement, 70 x 100 ft., brick and steel, plain foundation, West Lynde St., by day labor. $160,000. Private plans.

Mass., Salem—School—St. Joseph's Parish, c/o P. H. Grenier, pastor, Lafayette St., 3 story and basement, 75 x 135 ft., brick and cast stone, Lafayette St., to J. Goudeau, 69 Ocean Ave. Archts. est. $300,000. Noted Nov. 27.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, P. S. 105, Ft. Hamilton Ave. between 58th and 59th Sts., here, general contract, to **T. A.** Clarke Co., 122 Livingston St., $836,700; plumbing and drainage, to E. Harley, 885 New York Ave., $44,900; heating and ventilating, to D. J. Rice, 606 1st Ave., New York City, $112,787; electric work, to Cleveland & Ryan, 26 Cortlandt St., New York City, $26,649. Noted Dec. 18.

N. Y., New York—Apartment—Beldor Constr. Co., c/o J. M. Felson, archt. and engr., 250 West 57th St., will build 6 story, 105 x 150 ft., brick, steel and stone, plain foundation, Sherman Ave., by day labor. $300,000.

N. Y., New York—Apartment—Gartel Holding Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 85 x 125 ft., brick, steel and stone, plain foundation, Woodycrest Ave. near 168th St., by day labor. $250,000.

N. Y., New York—Apartment—Hymor Realty Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 95 x 122 ft., brick, steel and stone, plain foundation, Allerton Ave., by day labor. $250,000.

N. Y., New York—Office—Equitable Trust Co., 37 Wall St., 34 story, brick, steel and stone, plain foundation, 15 Broad St., to Thompson-Starrett Co., 49 Wall St. Archts. est. $12,000,000.

Buildings—Commercial (Continued)

N. J., Delanco—School—Bd. Educ. Beverley Twp., general contract 1 story and basement, 67 x 76 ft., and 103 x 239 ft., to J. E. Kalster, Beverly, $94,500. Noted Jan. 1.

Pa., Easton—Club House—Loyal Order Moose, 2 story and basement, 60 x 158 ft., brick and steel, plain foundation, South 4th St., to Butz & Clader, Allentown.

Pa., Edge Hill—Church—Carmel Presbyterian Church, stone church, plain foundation, to Bowden Constr. Co., 1935 Chestnut St., Phila. Archts. est. $150,000.

Pa., Phila.—School—Bd. Educ., 19th and Chestnut Sts., general contract 3 story and basement, 80 x 145 ft., rein.-con. and brick addition to Walton School, plain foundation, Huntingdon Ave., 27th and 28th Sts., to W. Langhorne Co., 10 South 18th St., $246,972; heating, to S. Faith & Co., 2427

Pa., Pittsburgh — Court House — Allegheny Co., Court House, general contract alterations and additions to court house, to Landau Bros., 3rd Ave., $241,262.

Louisiana — Passenger Station, etc. — Louisville & Nashville R.R., Louisville, Ky., 100 x 140 ft. passenger station, round house, 63 x 68 ft. machine shop, 2 story, 38 x 50 ft. store and office building, locker building, etc., at Gentille Sta., New Orleans, La., to W. H. Williams Co., Inc., 816 Howard Ave., New Orleans, $150,000 plus.

Ala., Montevallo — Dormitory, etc. — Trustees Alabama College, general contract 2 story and basement, 75 x 150 ft. dormitory and 50 x 75 ft. residence, to Baston & Cook, West Point, Ga., $173,000.

O., Canton—Club—H. L. Porter & R. McNally, archts., 330 Euclid Ave., Cleveland, 4 story and basement, 50 x 113 ft., brick, steel and concrete, 6th St. N. W., here, to E. J. Landor Co., Renkert Bldg., for Knights of Columbus. Archts. est. $200,000. Noted Oct. 2.

O., Cleveland—Restaurant and Office—Childs Co., 200 5th Ave., New York City, 2 story, 66 x 280 ft., brick, steel and stone, plain foundation, to Crowell & Little Constr. Co., 3751 Prospect Ave., Cleveland. Noted Oct. 23.

O., Cleveland—Store and Commercial—Colonial-Taylor Impvt. Co., c/o L. Abrams, Engineers Bldg., 2 story, brick and steel, 615 Prospect Ave., to Super-Built Constr. Co., 1836 Euclid Ave. Archts. Estimated cost $150,000. Noted Oct. 30.

Mich., Highland Park (Detroit P. O.)—Library—Library Comn., 20 Gerald Ave., 2 story and basement, rein.-con., brick, steel H. Prenzlauer, secy. Wayne Co. Supt. of Ave. to Martin Krausmann Co., 501 Guarantee Trust Bldg., Detroit. $278,000. Noted Dec. 18.

Mich., Pontiac — School — R. Hazelton, bus. mgr. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Summitt St., to Pryale Constr. Co., Commercial Bank Bldg., about $150,000. Noted Dec. 18.

Ill., Carbondale—Gymnasium—Bd. Pub. Wks., Springfield, at Southern Illinois State Normal University, Carbondale, 2 story and basement, 90 x 126 ft., rein.-con., brick and stone, to J. H. Hunzinger, 409 Security Bldg., Davenport, Ia. Archts. est. $150,000. Noted Nov. 13.

Ill., Normal—Gymnasium—Normal State University, 1 story and basement, brick and rein.-con. gymnasium, to Lind Constr. Co., 6404 South State St., Chicago. Archts. est. $150,000.

Ill., Waukegan—Office, etc.—J. A. Miller, 206 Washington St., 2 story and basement, 100 x 137 ft., rein.-con., brick and stone, Water and Genesee Sts., to R. E. Maki, 627 McAllister St. Archts. est. $175,000. Noted Nov. 6.

Wis., Antigo—Hotel—S. J. McMahon, 425 East Water St., Milwaukee, will build 3 story and basement, 77 x 140 ft., brick, tile and concrete addition to Butterfield Hotel, plain foundation, by day labor. $200,000. Smith & Brandt, Dempsey Bldg., Manitowoc, archts. Noted Jan. 1.

Wis., Eau Claire—Theatre—Eau Claire Theatre Co., 409½ South Barstow St., 2 story and basement, brick and concrete, plain foundation, East Grand Ave., to Hoeppner-Bartlett Co., 414 Grand Ave. Archts. est. $150,000. Noted Nov. 27.

Wis., Kohler—Warehouse—Kohler Co., 4 story, 82 x 140 ft., brick and timber, plain foundation, to F. Radloff Co., Plymouth. Archts. est. $150,000.

Tex., Houston — Library—City, O. F. Holcombe, Mayor, 3 story, brick and steel library addition, plain and concrete pile foundation, Smith and McKinney Sts., to Tellepsen Constr. Co., Rice Institute, $150,000. Noted July 21.

Wash., Seattle—Apartment—H. Smith, c/o E. A. Roberts, archt., Burke Bldg., 7 story and basement, 80 x 102 ft., rein.-con., 4002 15th St. N. E., to Walter & Brady, Hoge Bldg. Archts. est. $350,000.

SEWER—LOUISVILLE, KY.

Bids were opened (lowest 3) by Comrs. of Sewerage for constructing Central Relief Drain, Contr. No. 16, (A) Hammen Constr. Co., 4612 Woodward Ave., Detroit, Mich. (awarded contract); (B) Wenzel-Henoch Co., Milwaukee, Wis.; (C) Walb Constr. Co., LaGrange, Ind. The unit bids are as follows:

	A	B	C
4,243.95 lin.ft. earth excavation and backfill	$45 50	$60 00	$53 60
225.05 lin.ft. earth excavation and backfill	44 55	100 00	79 62
590 cu.yd. earth excavation and backfill	9 45	20 00	9 00
335 cu.yd. earth excavation and backfill	6 75	20 00	13 75
210 cu.yd. earth excavation and backfill	6 75	10 00	5 00
100 cu.yd. earth excavation and backfill	9 45	20 00	7 50
5,315 cu.yd. class "A" concrete masonry	35 10	25 00	28 30
325 cu.yd. class "A" concrete masonry	27 00	30 00	38 30
30 cu.yd. class "A" concrete masonry	33 75	30 00	48 00
55 cu.yd. class "A" concrete masonry	94 50	30 00	48 00
200 cu.yd. class "C" concrete masonry	18 90	20 00	22 50
325 cu.yd. hydrated lime class "A"	1 35	1 00	1 25
15 cu.yd. brick masonry	27 00	35 00	25 00
440,900 lbs. reinforcing bars	0 054	0 06	0 10
4,800 lb. reinforcing bars	0 054	0 06	0 10
17,400 lb. reinforcing bars	0 054	0 06	0 10
6 tons steel shee piling	135 00	300 00	150 00
120 cu.yd. earth excavation below sewer	6 75	20 00	15 00
120 cu.yd. gravel refill below sewer	6 75	5 00	15 00
$450.00 A.S.T.M. clay pipe	32%	50%	25%
100 lin.ft. laying with cement mortar	0 67	4 00	2 25
100 lin.ft. laying with plastic comp	0 67	6 00	4 00
700 ft. 4 in. laying underdrain	1 69	2 00	4 80
600 ft. 8 in. laying underdrain	1 69	2 50	4 80
5,700 lin.ft. timber piles	1 35	1 00	1 40
10,500 ft. B.M. sheeting bracing	81 00	60 00	75 00
45 sq.yd. vitrified block paving	5 40	5 00	8 40
295 sq.yd. asphalt paving	5 40	5 00	8 40
70 sq.yd. granite block paving	5 40	6 00	9 00
Cleaning up (lump sum)	$2,700	$2,500	$2,500
Extended totals	$462,957	$496,828	$501,700

Calif., Beverly Hills — Hotel — Boyce-Seeley Constr. Co., Pacific Finance Bldg., Los Angeles, will build 3 story, 115 x 135 ft., brick hotel, by day labor. $200,000.

Calif., Los Angeles—Apartment—H. R. Palmer, 4374 West 3rd St., will build 4 story and basement, 76 x 125 ft., brick, San Marino and Elden Sts., by day labor. $150,000.

Calif., Los Angeles—Loft—Sun Realty & Finance Co., 11 story, basement and subbasement, 107 x 330 ft., steel and rein.-con., 7th St., to Scofield Eng. & Constr. Co., Pacific Finance Bldg., $1,905,000. Barker Bros. Furniture Co., Los Angeles, lessee.

Calif., Los Angeles—Office—Seventh & Main Building Co., c/o Curlett & Beelman, archts., Union Bank Bldg., steel contract for 13 story and basement, 80 x 175 ft., rein.-con. office building, 7th and Main Sts., to Baker Iron Wks., 912 North Bway., approximately $125,000. Noted May 1.

Calif., Los Angeles—Store and Apartment—E. D. Henderson, 1241 North Vine St., 5 story and basement, 110 x 290 ft., brick and concrete, North Vine St., to Bard & Co., 421 Union Oil Bldg., approximately $400,000.

Calif., Los Angeles—Store, Office and Theater—F. A. Miller, general contract 3 story, 115 x 140 ft., rein.-con., stone and brick, Figueroa St. and Santa Barbara Ave., to Winter Constr. Co., 200 Los Angeles Ry. Bldg., $300,000.

Calif., Los Angeles—Store and Loft—Birkel Co., 446 South Bway., 5 story, 50 x 150 ft., rein.-con., 15th and Los Angeles Sts., to W. D. Lee, 401 Sun Bldg.

Calif., Los Angeles—Store and Office—Pacific Finance Corp., c/o Curlett & Beelman, archts., Union Bank Bldg., 12 story and basement, 100 x 165 ft., brick and steel, Hope St., to Scofield Eng. & Constr. Co., Pacific Finance Bldg., $1,500,000; steel contract, to Llewellyn Iron Wks., Main and Redonda Sts. Noted Jan. 15.

Calif., Oakland—Office and Store—R. H. Howden & Son, 1117 Webster St., 2 story and basement, 68 x 150 ft., concrete and tile, 17th and Webster Sts., to McWethy & Greenleaf, 2910 Telegraph Ave., $155,000.

Calif., San Bernardino—Warehouse—Associated Truck & Warehouse Co., 2 story, 125 x 200 ft., rein.-con., E St., to G. Herz Co., 8th and E Sts., approximately $150,000.

Calif., San Francisco — Apartment — Matthies & Gale, 180 Jessie St., will build 6 story and basement, rein.-con., Green and Webster Sts., by day labor. $150,000 or more.

Calif., Santa Monica—Club—Edgewater Club, 7 story and basement, rein.-con., Pico Bldg., to Winter Constr. Co., 2400 West 7th St., Los Angeles, $425,000.

Federal Government Work

PROPOSED WORK

Calif., San Francisco—Barracks—U. S. Government, having plans prepared by Constructing Quartermaster, Fort Mason, 2 story and basement, rein.-con. barracks, Presido St.

BIDS DESIRED

Mass., Boston—Seawall and Breakwater—Feb. 16, by Treas. Dept. at office Supervising Archt., Wash., D. C., rebuilding seawall, constructing breakwater and dredging and replacing fender piles at U. S. Quarantine Sta., here; adv. E. N.-R. Jan. 22.

Pa., Phila.—Steel Hull—Mar. 6, by U. S. Engineer Office, 1505 Race St., constructing one steel hull, 20 in. pipe line dredge; adv. E. N.-R. Jan. 22.

Pa., Pittsburgh—Deck Barges—Feb. 14, by U. S. Engineer Office, three 80 ft. steel deck barges; adv. E.N-R. Jan. 22.

Del., Wilmington—Dredging—Feb. 10, by U. S. Engineer Office, War Dept., Wash., D. C., dredging in Tuckerton and Absecon Creeks, and Tom's River, N. J.

Md., Baltimore—Dredging—Feb. 20, by U. S. Engineer Office, dredging in Baltimore Harbor and channels; adv. E. N.-R. Jan. 22.

Mich., Saginaw—Post Office—Feb. 13, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and extending post office, here; adv. E. N.-R. Jan. 22.

Ill., Oak Park — Storage — Feb. 9, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing new storage room, etc., at Post Office, here.

Virgin Island, St. Thomas—Oil Engine—Feb. 11, by Bureau Yards & Docks, Navy Dept., Wash., D. C., oil engine, here. Noted Jan. 8.

BIDS RECEIVED

N. Y., Brooklyn—Incinerator—Spec. 5052—Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing incinerator plant and chimney from Ballard Sprague & Co., 200 5th Ave., New York City, (1) $37,875 (4) $575 (5) $14,590. Noted Dec. 11.

N. Y., New York—Dredging—Spec. 5060—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Navy Yard, here, from Morris & Cumings Dredging Co., 15 Moore St., (1) $0.285 (2) $0.244. Noted Jan. 8.

Va., Norfolk—Alterations—Spec. 5061—Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to cafeteria in hospital, here, from J. Tevos, 116 West 20th St., $1,075. Noted Jan. 8.

O., Cincinnati—Towboats—U. S. Engineer Office, 405 Customhouse, two 70 ft. Diesel electric sternwheel towboats, from Nashville Bridge Co., Nashville, Tenn., $127,480. Noted Dec. 11.

Tex., Galveston—Radio Station—Spec. 5036—Bureau Yards & Docks, Navy Dept., Wash., D. C., naval radio compass station, here, from J. E. Lingo & Son, foot of Elm St., Camden, N. J., $1,640. Noted Jan. 1.

CONTRACTS AWARDED

Mass., South Boston (Boston P. O.) — Sewerage System — Spec. 5043 — Bureau Yards & Docks, Navy Dept., Wash., D. C., sewerage system at Dry Dock, here, to Walworth English Flett Co., 81 Commercial Wharf, Boston, $27,157 (210 days).

Pa., Phila.—Storehouse—U. S. Engineer Office, War Dept., Wash., D. C., constructing storehouse at Ft. Mifflin, to W. L. Morrison, 613 15th St. N. W., Wash., D. C., $22,400. Noted Dec. 25.

Federal Government Work (Continued)

Fla., Miami—Post Office, Court House, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., extending and remodeling post office, to W. P. Thurston Co., Inc., Richmond, Va., $21,635. Noted Jan. 8.

Ala., Florence—Steel, etc.—U. S. Government, P. F. Samuel, chief of Supply Div., approximately 140 tons reinforcing, various lengths and sizes, to Knoxville Iron Co., Lonsdale St., Knoxville, Tenn., $9,628; 537 transite asbestos wood doors, to Johns-Manville Co., Madison Ave. and 41st St., New York City, $3,400.

Unclassified

PROPOSED WORK

Ferry Improvements—Boston, Mass.—City Planning Bd., City Hall, plans ferry improvements. $1,000,000. F. H. Fay, chn.

Stadium—Phila., Pa.—City having plans prepared stadium. $2,000,000. Simon & Simon, 249 South Juniper St., archts.

Golf Course—Virginia Beach, Va.—See "Buildings—Commercial."

Underpass—Durham, N. C.—R. W. Rigsbee, city mgr., Southern Seaboard Air Line, and Norfolk & Western Rys., having plans and surveys made underpass on Chapel Hill St. beneath above railroad tracks, here.

Power Development—North Wilkesboro, N. C.—Central Power Co., Chamber of Commerce, plans hydro-electric development on New and Reddie Rivers, about 14 mi. from here, incl. 1 or more dams, diversion of New River into Reddie River, tunnel, etc.

Suburban Development—Raleigh, N. C.—Wilson Park, Inc., Raleigh, plans developing Fisher property as suburb in northeastern part of city, incl. sewers, water lines, streets and sidewalks. $125,000. D. F. Fort, Jr., 557 Newbern Ave., pres.

Power Development — Saluda, N. C.—Blue Ridge Power Co., c/o J. A. Law, managing dir., Spartanburg, S. C., plans hydro-electric power development, dam across Green River, 13,000 ft. tunnel, power house, two 35,000 hp. electric generators, 4 mi. east of here. $3,500,000. Mees & Mees, Kinney Bldg., Charlotte, engrs.

Underpass — Spencer, N. C.—Southern R.R., 13th St. Pennsylvania Ave., Wash., D. C., plans underpass here to connect with East Spencer. $64,000. H. Miller vice pres.

Sea Wall—Mississippi—Harrison Co. Sea Wall Comn., Gulfport, plans 14 mi. sea wall along the beach from Biloxi to Pass Christian. $2,000,000 bonds sold. Engineer not selected.

Electric Light System—Jonesville, La.—See "Waterworks."

Aviation Field, etc.—Nashville, Tenn.—Tennessee Aero Squadron and various civic organizations raising $100,000 funds for aviation flying field, club house, buildings, etc., to be known as "John Harding" aviation field. H. E. House, City Hall, mayor.

Transmission Lines—Ohio—Ohio Serv. Co., Coshocton, plans transmission line from Dover to New Comerstown, connecting up at Dover and extending via Sugar Creek to Millersburg; another line from Dover extending to East Sparta and Mineral City; and a new line from Dover to New Philadelphia. $280,000. J. J. Dolan, mgr.

Elimination of Grade Crossing—Wisconsin — State Hy. Comn., Madison, plans grade crossing separation, on Federal Aid Project 280, Juneau Co. $43,000 allotted.

Fish Pond, etc.—Duck Creek (Green Bay P. O.), Wis.—H. Pohtomki, approximately 700 x 800 ft. fish pond, 5 ft. deep, incl. 70,000 cu.yd. excav., two 12 in. wells to be drilled, and crane and weighing machine installed, to C. B. Rasmussen, New London, Wis. Engrs. est. $70,000.

Harbor Improvements, Park, etc.—Milwaukee, Wis. — Budget for 1925 adopted and includes $1,500,000 bonds for harbor improvements; $1,000,000 bonds for grade crossing abolition; $250,000 bonds to purchase land and improve park, and $80,000 bonds for extending street lighting system.

Gas System—Comanche, Tex.—Voted $50,000 bonds to supply fuel gas system and laying mains, laterals, etc. J. R. Eaves, mayor. Engineer selected soon. Noted Dec. 25.

Grain Elevator—Houston, Tex.—Turning Basin Navigation Dist., c/o H. L. Washburn, having revised plans prepared and soon takes new bids rein.-con. grain elevator. $1,000,000. Former bids rejected. J. A. Schiller, Court House, and J. S. Metcalf Co., 608 South La Salle St., Chicago, Ill., engrs.

Golf Links, etc.—Sherman, Tex.—See "Dams."

Stadium — Palo Alto, Calif. — Stanford University plans enlarging stadium. To exceed $150,000.

Pier Extension—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., making plans 250 ft. extension to Pier 40, incl. installation 2 railroad tracks. F. G. White, Ferry Bldg., ch. engr.

Sea Wall—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., soon takes bids loose rock seawall, etc. F. G. White, ch. engr. Noted Oct. 30.

Power Development—Valleyfield, Que.—Montreal, Cotton Co., Valleyfield, plans power development, incl. 4 wheels 5,000 hp. and concrete dam. $750,000. Beaubien, Busfield & Co., 2 Place D'Armes, Montreal, engr.

BIDS DESIRED

Tunnels, etc.—Providence, R. I.—Jan. 29, by Narragansett Electric Light Co., Turks Head Bldg. intake and discharge tunnels, screen well, sewers, turbine hall foundations, etc. Jenks & Ballou, 10 Weybosset St., engrs.

Street Lighting System — Los Angeles, Calif. — Bd. Pub. Wks. taking bids 143 pressed steel standards on Highland Ave. between Cahuenga Ave. and Santa Monica Blvd. To exceed $25,000.

Bulkhead—San Diego, Calif.—See "Excavation, Drainage, Irrigation, Levees."

Excavation and Piling — San Francisco, Calif.—C. Werner, archt., Santa Fe Bldg., taking bids for excavation and piling for Embarcadiro Club, 8 story and basement, rein.-con., for Army and Navy Y. M. C. A., Golden Gate Ave. and Leavensworth St. $1,000,000. Noted July 31 under "Buildings—Commercial."

BIDS RECEIVED

Station Finish, etc.—New York, N. Y.—Bd. Transportation, 49 Lafayette St., Jan. 15, station finish work for part of Rapid Transit R.R., from Charles Meads & Co., 217 West 14th St., $96,449; also removal of elevated railroad columns at Bway. and Spuyten Duyvil Parkway, Bronx Boro., from Buckingham Steel Co., Inc., 5718 2nd Ave., Brooklyn, $1,255.

Ornamental Street Lighting System—Los Angeles, Calif.—From J. C. Perry, 721 Detwiler Bldg., ornamental street lighting system on 6th St. between Vermont Ave. and Gramercy Pl. $40,940; from S. N. Prescott, 1030 Wilshire Blvd., Santa Monica, Beverly Blvd. between Vermont and Western Aves. $39,548, portions of 16th St. $20,178, Anaheim St. $16,833, Windsor Blvd. $10,932, Keniston Ave. $4,048, Mullen Ave. $3,245; from G. W. Kemper, P. O. Box 126, Alhambra, 16th St. between Normandie and Western Aves. $29,320, portion of Highland Ave. $16,000, McCadden Pl. $8,750, North Ave. $4,900, 3rd St. between Muirfield Rd. and La Brea Ave. $26,900. Noted Dec. 16.

Ornamental Street Lighting System—Los Angeles, Calif.—Supervs. Los Angeles Co., Jan. 5, 93 pressed steel posts, cables, conduits, etc., on Whittier Blvd. between Indiana St. and Pasadena Ave., from G. W. Kemper, P. O. Box 126, Alhambra, $39,400. Noted Dec. 25.

CONTRACTS AWARDED

Heating and Ventilating—Brooklyn, N. Y.—See "Buildings—Commercial."

Heating—Phila., Pa.—See "Buildings—Commercial."

Foundation — Cleveland, O. — W. S. Ferguson Co., archts. and engrs., 1900 Euclid Bldg., foundation for 10 story and basement, 135 x 320 ft., brick, steel and concrete office, auto sales and service building, Euclid Ave., to S. W. Emerson Co., 1836 Euclid Ave., for Motors Realty Co., c/o G. G. G. Peckham, pres., 1903 East 19th St. Noted Jan. 1.

Coal Handling Equipment—Detroit, Mich.—Pub. Lighting Comn., East Atwater St., coal handling equipment in and in connection with new power plant, to Link-Belt Co., 5938 Linsdale Ave., $75,927. Noted Jan. 15.

Culverts—Davenport, Ia.—See "Bridges."

Turbo Generator, etc.—Valley City, N. D.—One 1,000 kw. (Moore) turbo generator, switchboard, etc., to J. G. Robertson & Co., 2542 University Ave., St. Paul, $54,145.

Gas Pipe Line — Texas — Southern Natural Gas Co., Maverick Bldg., San Antonio, 20 mi. 10 in. and 10 mi. 8 in. gas pipe line from McMullen Co. end of present line to new gas fields in Live Oak and San Patricio Counties, to Hope Eng. Co., c/o R. B. Lloyd, supt., San Antonio. $200,000.

Dock—Seattle, Wash.—Amer. Can Co., foot Clay St., 200 ft. creosoted piling dock, 76 ft., and 2 story, 53x200 ft. timber warehouse, to A. W. Quist & Co., Hoge Bldg., $50,000.

Tunnels—Tacoma, Wash.—See "Buildings—Industrial."

Street Lighting System—Burbank, Calif.—See "Streets and Roads."

Bulkheads—Long Beach, Calif.—Southern Pacific R.R., 65 Market St., San Francisco, bulkheads around tract in Long Beach Harbor Dist., to Pan-Pacific Constr. Co., Citizens Natl. Bank Bldg., Los Angeles, approximately $250,000.

Arena—Los Angeles, Calif.—Olympic Athletic Club, c/o G. S. Underwood, engr., I. W. Hellman Bldg., 1 story, 168 x 240 ft., steel and rein.-con. arena, 18th St. and Grand Ave., to A. C. Pillsbury, 1715 Wilshire Blvd., approximately $350,000.

Wharf—Martinez, Calif.—Associated Oil Co., 79 New Montgomery St., 50 x 75 ft. wharf and 1,400 ft. approach, 24 ft., 150,000 cu.yd. dredging for turning basin 1,200 ft. long, 400 ft. wide, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, cost plus basis. Noted Jan. 15.

Material and Equipment

PROPOSED WORK

Snow Plow, etc.—Dodgeville Wis.—West End Transportation Co., plans to purchase rotary snow plow. $6,000.

Grading Outfit—Prairie Du Chien, Wis.—Crawford Co. voted $4,000 bonds to purchase road machinery, incl. 1 large grading outfit. J. N. Campbell, Bell Center, comr.

Crusher, Grader, etc.—Monroe, Wis.—Green Co. appropriated $10,000 to purchase 1 crusher, 1 large grader and small tools. C. J. Smith, comr.

BIDS DESIRED

Ties and Timber—New York, N. Y.—Jan. 30, by Bd. Transportation, 49 Lafayette St., ties and timber for use in construction of Rapid Transit R.R. J. H. Delaney, chn.

Barges—Mobile, Ala.—Jan. 30, by Alabama State Docks Comn., 200 State Office Bldg., Mobile, two 2,000 bbl. steel barges. W. L. Sibert, chn.

Gravel—Baton Rouge, La.—Feb. 2, at office State Hy. Comn., Reymond Bldg., 10,334 cu.yd. sand clay gravel and as alternate 3,448 cu.yd. washed gravel and 6,896 cu.yd. 40% sand clay gravel for surfacing State Project R-15, Orny-Frenier Highway, St. John the Baptist Parish. W. B. Robert, state engr.

Crane—Milwaukee, Wis.—B. E. Kaestner, pres., Clayton-Kaestner Sand & Gravel Co., 981 North Pierce St., taking bids 1 clam shell crane for loading gravel.

Paver—Wauwatosa, Wis.—H. Hohensee, Ludington Ave., in market for 2-bag gasoline full or ½ caterpillar paver.

Graders—Fairmont, Minn.—Feb. 4, by W. M. Canfield, aud. Martin Co., 8 patrol graders equipped with 8 ft. blades.

Tractors, etc.—Minneapolis, Minn.—Jan. 27, by F. S. Gram, city purch. agt., one 10 ton caterpillar tractor and five combination grader-scarifiers for 13th Ward, also 3 rotary fire pumps for Fire Dept. N. W. Elsberg, city engr.

Asphalt Surface Heaters—Los Angeles, Calif.—Jan. 28, by City Purchasing Agent, 1 or more asphalt surface heaters.

BIDS RECEIVED

Cement, Trucks, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Jan. 19, 20,000 bbl. Portland cement, from Anderson Brick & Supply Co., 201 East 129th St., $13,750; 6 motor trucks, from International Harvester Co., Grand Central Palace, $27,270; 3 portable air compressors, from C. Hvass & Co., 508 East 9th St., $5,397; 3 tandem steam rollers, from Buffalo Springfield Roller Co., 150 Nassau St., $8,235; 14 steel dumping bodies, from Van Dorn Iron Wks., 318 Bway., $3,860. Noted Jan. 15.

Cluster Lights — Seattle, Wash. — For cluster lights on North and East 45th Sts., incl. 106 poles, 4,500 ft. No. 6, 600W Sgl-W., 24,300 ft. No. 8 600W Sgl-W., 200 ft. Duplex cable No. 6, and 36,600 ft. 1¼ in. conduit, from Ne Page, McKenny Co., Armour Bldg., $25,938.

CONTRACTS AWARDED

Cement—Wisconsin—State Hy. Comn., Madison, 186,500 bbls. cement, to Universal Portland Cement Co., 210 South La Salle St., Chicago, Ill.; 53,700 bbls. to Lehigh Portland Cement Co., 111 West Washington St., Chicago, Ill.; 21,400 bbls., to Alpha Portland Cement Co., 140 South Dearborn St., Chicago, Ill.; 32,700 bbls., to Marquette Cement Mfg. Co., Marquette Bldg., Chicago, Ill.; 16,250 bbls., to Sandusky Cement Co., Engineers Bldg., Cleveland, O.; 60,600 bbls., to Western Lime & Cement Co., 130 1st Ave., Milwaukee; 92,800 bbls., to Manitowoc Portland Cement Co., Manitowoc; 956 bbls., to Northwestern States Portland Cement Co., Mason City, Ia.

Structural Shapes — Oakland, Calif. — General Petroleum Corp., 310 Sansome St., San Francisco, 200 tons structural shapes for plant at Parr Terminal, here, to Judson Mfg. Co., Atlas Bldg., San Francisco. Noted Nov. 13 under "Buildings—Industrial."